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THE CALIFORNIA COMMERCIAL ROCKFISH FISHERY DURING 1991-1995: DESCRIPTION, TRENDS, AND ISSUES

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The California Commercial Rockfish Fishery During 1991-1995: Description, Trends and Issues

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DEFINITION OF TERMS

Exvessel Market	Market in which harvested fish are first sold.
Fishery	For purposes of this study a fishery will be distinguished by one or more of the following characteristics: (1) the area of operation, (2) the type of gear used, and (3) the species or species complex targeted.
Landings	Quantity of fish delivered to exvessel markets. May be less than catches by the amount of discards, home packs, etc.
Market Category	Categories into which fish are sorted according to their market qualities. Except for species that are required to be sorted, market category sort groups may include any species of rockfish, and even non-rockfish species.
Port Sampling	Sampling deliveries of fish to first buyers to obtain information on the species compositions, length/age distributions and sex distributions of fish harvested.
Price	Amount buyer pays per unit of fish purchased.
Principle Gear (PG)	Gear that accounts for the plurality of a vessel's exvessel revenue based on the distribution of exvessel revenues across gears
Principle Port (PP)	Port that accounts for the plurality of a vessel's revenue based on the distribution of exvessel revenues across ports
Principle Species (PS)	Species that accounts for the plurality of a vessel's exvessel revenue based on the distribution of exvessel revenues across species.
Real Value	The measure of a monetary amount (e.g. prices) corrected for changes in inflation over time, thus expressing the amount in terms of constant dollars. Real values of production are important because they represent output of physical goods not their money values. In this study all monetary values are expressed in 1991 dollars.

1.0 INTRODUCTION

Rockfish (genera Sebastes and Scorpaena) are a significant component of the Pacific coast commercial groundfish fishery and recreational fisheries that occur off Washington, Oregon and California. Commercial and recreational rockfish fisheries occurring within three miles of shore are managed by the States, while rockfish fisheries 3-200 miles offshore (the U.S. exclusive economic zone, EEZ), are managed under the Pacific Fishery Management Council's (PFMC) fishery management plan (FMP) for Pacific coast groundfish (PFMC, 1982). Management actions taken by the State are expected to be consistent with goals and objectives of the groundfish FMP.

In 1995 forty percent of the rockfish caught commercially in the Washington-Oregon-California area was landed at California ports. In this paper we take a detailed look at the California commercial rockfish fishery during the period 1991-95. The purpose is to establish a baseline description of rockfish fishing activities along the California coast, and the relative value of this activity to California coastal communities. The baseline will be useful in evaluating impacts of proposed management actions on rockfish fishing operations off California. We focus on the quantities and corresponding exvessel revenues generated by commercial rockfish landings in California port areas during the period, and on the operations of vessels landing rockfish and processors receiving rockfish in these port areas. We attempt to show the economic importance of rockfish, relative to other commercial species, to California port areas and to vessels harvesting rockfish.

Because a number of different rockfish species are similar in size and quality, and can therefore be readily substituted for one another, they are often lumped together by buyers and recorded as the same market category on State fish tickets. This report is limited to an examination of market category level data rather than individual species data, although in many cases market categories are composed of a single species.

Section two presents an overview of California rockfish fisheries,[1] fisheries management and rockfish issues. The third section discusses the data used to delineate California commercial rockfish

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[1]For purposes of this study California rockfish fisheries will be distinguished at the finest level data will allow, by the type of gear used, the area of operation, and the species or complex targeted.

landings by species, gear, port and vessel. In the fourth section we examine recent trends and developments in commercial rockfish fishing activity for specific port areas along the California coast. The final section contains concluding remarks.

2.0 OVERVIEW OF CALIFORNIA ROCKFISH FISHERIES AND MANAGEMENT

2.1 California Commercial Rockfish Fisheries

California's commercial rockfish landings have declined since 1981, from a high of over 24,000 mt in 1982 to under 8,000 mt in 1995 (Figure 1). Decreasing abundance, harvest quotas and fleet size may partly explain this trend. On the other hand, real exvessel revenues did not shown as great a decline as rockfish landings from 1981-95, and real exvessel prices (revenue per ton landed) increased substantially (Figure 1). This suggests that the decline in rockfish landings was offset by an increase in prices, and may not have impaired the economic performance of all harvesters during the period.

During the period 1991-95 (Table 1), rockfish comprised about 35-45% (over 9,000 mt annually) of California's annual commercial groundfish landings, and 9-11% of all State landings. In the same period, rockfish accounted for over 50% of the exvessel value of groundfish landings in California and 9-11% of the value of all species landed (Table 2). On average, about 3,800 fishing vessels per year made commercial landings in California during 1991-95. On average, about 1,650 of these vessels made rockfish landings in each year, and 38% of them depended on rockfish for the bulk of their earnings (Tables 3 and 4). Except for salmon, more California commercial fishing vessels depended on rockfish for the majority of their earnings during 1991-1995 than on any other species or species group.

Most rockfish catches are delivered to shore side processors as whole fresh or live fish and enter the domestic fresh fish market as "rockcod" (all species) or "red snapper" (red or orange colored species) (CDFG,1995). The bulk of fresh trawl-caught rockfish are processed into fillets which are then distributed to major retail markets (Phillips, 1957; Lenarz, 1986). Hook-and-line caught rockfish are generally marketed whole or dressed (Lenarz, 1986) with a significantly increasing amount entering the more specialized live-fish market. More than 60% of California's processors receive rockfish (Table 5).

The trawl category accounted for the largest average share of landings over the 1991-95 period, 53%, followed by hook-and-line gear with 32% (Table 6). Trawl and hook-and-line gear ranked number one

and number two in average exvessel revenues over the period, $4.2 million and $3.9 million (1991 dollars) respectively (Table 7). The average exvessel price of hook-and-line landed rockfish was substantially greater than that for trawl though ($.97 per pound versus $.35 per pound), due in large part to the higher priced live-fish catch in the hook-and-line fishery.

2.1.1 Trawl

Chilipepper, bocaccio and widow rockfish are the most prevalent rockfish species in California trawl landings. Chilipepper and bocaccio are caught using bottom trawls fished in relatively shallow water on the continental shelf. In bottom trawling for rockfish, the trawl net is furnished with hard rollers or bobbins to raise the footrope off the bottom, thereby allowing the net to move over irregular, rocky substrates without snagging. Widow rockfish are caught using bottom trawls, as well as midwater trawls. In midwater trawling, larger trawlers tow off-the-bottom trawl nets at varying depths to catch widow rockfish in the water column. There is relatively little joint catch of other species when midwater trawling for widow rockfish. Other important shelf species include canary, vermillion, yelloweye and yellowtail rockfish.

Rockfish are also harvested on the deeper continental shelf, slope and deep slope. Blackgill rockfish is the most important rockfish species in the California deep-slope trawl fishery. Other important species, typically taken on the slope but in shallower water, include bank rockfish, splitnose rockfish and other rockfish in the "rosefish" market category (Table 8).

Since groundfish trawling is generally prohibited in State waters, almost all of California's rockfish trawl harvests are made in the EEZ. There are virtually no trawl landings south of Point Conception. Because many species of rockfish occupy the same fishing grounds, bottom trawling often results in joint harvests of several rockfish species. Fishermen have some control over the species composition of harvests by varying the times, areas and depths fished (Hightower, 1990; Rogers and Pikitch, 1992; Rogers et al, 1994).

2.1.2 Hook-and-Line/Trap

Hook-and-line gear includes all variations of gear with a hook(s) (either baited, or part of a lure) attached to a line (CDFG, 1995). Commercial rod and reel is the most common form, followed by set-line gear (horizontal and vertical longlines) and troll gear. The important near-shore rockfish species are black,

blue, brown, California scorpianfish (genus *Scorpanea*), china, copper, grass, gopher and starry rockfish. Chilipepper, bocaccio, yellowtail and widow rockfish are important offshore species.

The use of traps to capture rockfish was limited until the development of a market for live fish. In 1988, there were a small number of trapping and hook-and-line operations that supplied the California Asian community with live fish. Since then, the live-fish fishery has evolved into a complex multimillion-dollar fishery furnishing broader markets (CDFG, 1996). The emergence of markets for high-value "live fish" has led to the rapid development of a commercial, near-shore, live-fish fishery that targets rockfish and other species (CDFG, 1995, 1996).

Hook-and-line gear accounts for over 60% of live rockfish landings statewide; trap gear for most of the balance. During the study period more than 80% of live-fish landings were made from Morro Bay south. Exvessel prices in the live-fish fishery can reach $7.00 per pound for the one to three pound, vigorous, visually attractive rockfish which are preferred in the Asian restaurant trade. Larger fish are also used in the live-fish market but command lower prices.

2.1.3. Gill Net

Rockfish are also harvested off California using set nets (gill and trammel nets).During the 1980s, alarm over declining recreational catches, and seabird and marine mammal mortality led, to increased restrictions in the use of gill nets and trammel nets to harvest rockfish in northern and central State waters (Herrick and Hanan, 1988). Passage of the Marine Resources Protection Act of 1990 (Proposition 132) virtually eliminated the use of gill and trammel nets to take rockfish in all State waters (Barnes, 1995). The use of gill and trammel nets to harvest rockfish is still permitted in most areas of the EEZ. However, landings of gill and trammel net caught rockfish have declined due to market considerations.

2.2 Management

2.2.1 Federal-Groundfish FMP

Rockfish management under the groundfish FMP is mainly concerned with resource sustainability, maintaining a year-round fishery and reducing excess harvesting capacity. Under the current groundfish FMP, there is a limited entry fishery and an open access fishery, each with its own annual quota allocations and management measures. The limited entry fishery consists of vessels who either were initially awarded

gear-specific limited entry permits based on their groundfish catch histories using trawl, trap or longline gears, or who purchased a permit. Any vessel, including limited entry vessels using other gears, can participate in the open access fishery.

Currently there are specific acceptable biological catches (ABC) and harvest guidelines (HG) in place for a number of rockfish species. Harvests of rockfish species not having a specific ABC or HG are limited under a general sebastes ABC and HG. In addition to limited entry, ABCs and HGs, vessels harvesting rockfish in the limited entry and open access fisheries are also subject to a system of trip landings and frequency limits under the groundfish FMP.

2.2.2 State

Rockfish management in State waters deals primarily with minimizing conflict between commercial and recreational users. The same species of rockfish are targeted by both commercial and recreational hook-and-line fishermen, fishing in the same near-shore areas. The prohibition on trawling in State waters since 1953 (CDFG, 1995) has done much to minimize conflict between commercial and recreational fishers.

3.0 DATA

The primary source of data used to describe rockfish fishing activity off California for the period 1991-95 were California landings receipts (fish tickets), which are records of each exvessel transaction between fishermen and fish buyers. By law, a fish ticket is filled out each time a fishing vessel makes a commercial landing.

The fish ticket contains basic information identifying the date of the landing, the fishing vessel, the port of landing, the California Department of Fish and Game (CDFG) statistical area where the fish were caught, the fish buyer and the gear primarily used. In addition, there is a separate line on each fish ticket (fish ticket line) that records the name of each market category and quantity of fish landed in that market category in pounds, the exvessel price per pound, the condition of the catch (i.e. the extent to which any processing has occurred) and the gear used to catch the fish landed in that market category if different from that primarily used.

In this study, a rockfish vessel would have to have had at least one fish ticket issued to it with landings in a rockfish market category. A rockfish processor would be any entity issuing at least one fish

ticket for landings in a rockfish market category.

Fish tickets are processed and edited for accuracy by CDFG, and each fish ticket line, with the basic information appended, is entered into an electronic, fish-ticket-line data base. Fish ticket lines for groundfish are forwarded to the PacFIN Management Data Base where some recoding of species, ports and gears occurs before they are entered into the PacFIN system. In this study, rockfish landings data were compiled from fish ticket lines submitted to PacFIN by CDFG.

3.1 Market Categories

There were 52 market categories into which California rockfish landings were sorted during 1991-95 (Table 8). Rockfish are sorted into these categories primarily at the discretion of buyers and fishermen. There is no legal requirement that fish must be sorted into these categories with the exception of widow rockfish, boccacio and yellowtail rockfish. These species are subject to trip limits under the groundfish FMP, and must be sorted to monitor compliance. The requirement to sort widow rockfish began in 1983, boccacio in 1991 and yellowtail in 1994 (Pearson and Almany, 1995).

Widow rockfish, chilipepper and bocaccio market categories dominate California rockfish landings. Together they averaged over 38% of total rockfish landings from 1991-95 (Table 8). These market categories also accounted for over 28% of average exvessel revenues from rockfish over the period (Table 9). However, the most valuable market categories on a per unit basis over the period were the tree, grass and gopher rockfish -- which averaged $4.62, $3.82 and $2.51 per pound. High prices for these market categories reflects their popularity in the live-fish market (Tables 8 and 9).

3.2 Port Areas

There were 76 ports in which rockfish were reported landed during 1991-95. Some of these ports did not have landings in all five years, and for some the annual landings were relatively insignificant. For this analysis ports were merged into nine port areas according to the port areas designated by the California Department of Fish and Game (Table 10).

3.3 Gear Types

From 1991-95, rockfish were landed in California using 46 distinct gears (rockfish catches using many of these gears can obviously be considered incidental). For this analysis, gears were combined into

four gear categories; gill net, hook and line, trawl and other (Table 11).

4.0 METHODS

Commercial rockfish landings, exvessel revenue and participation (number of vessels and processors) data were compiled and tabularized by port area. We arranged the tables presenting these data north to south by port area to show trends and variations in rockfish landings, revenues and levels of participation along the entire California coast. The tables are grouped as follows:

Tables 12-20 Rockfish landings and exvessel revenues for specific ports within each port area, 1991-95.

Tables 21-29 Landings and revenues of rockfish and all species for each port area, 1991-95.

Tables 30-38 The number of vessels and processors active in each port area, 1991-95.

Tables 39-47 Annual landings and revenues in rockfish market categories for each port area, 1991-95.

Tables 48-56 Annual trawl-caught landings and revenues in rockfish market categories for each port area, 1991-95.

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Table 72 Proportion of vessels by principle gear for each port area, 1991-95.

Table 73 Weighted average exvessel rockfish prices by gear type for each port area, 1991-95.

Tables 74-82 Annual landings and revenues for vessels whose principle gear is hook and line for each port area, 1991-95.

Tables 83-88 Annual landings and revenues for vessels whose principle gear is trawl for each port area, 1991-95.

Tables 89-94 Annual landings and revenues for vessels whose principle gear is gill net for each port area, 1991-95.

5.0 RESULTS

5.1 Rockfish Landings and Revenues by Port Area

The Eureka port area had the highest average annual rockfish landings for the 1991-95 period followed by San Francisco, Monterey, Morro Bay, Fort Bragg, Bodega Bay, Santa Barbara, Los Angeles and

San Diego. In the Eureka area, Crescent City, Eureka and Fields Landing were the predominate ports of landing. The ports of Princton/Half Moon Bay and San Francisco accounted for most of the rockfish landings in the San Francisco area. Monterey and Moss Landing were the leading ports of landing in the Monterey area. Other important ports in terms of descending average rockfish landings over the period were Fort Bragg, Bodega Bay, Morro Bay, Ventura, Avila/Port San Luis, San Pedro and San Diego. San Francisco was the leading California port based on average rockfish landings for the period (Tables 12-20).

The San Francisco port area generated the greatest average real exvessel rockfish revenues (1991 dollars) for the period followed in order by Morro Bay, Eureka, Santa Barbara, Monterey, Fort Bragg, Bodega Bay, Los Angeles and San Diego. The port of San Francisco had the highest average real revenues for the period trailed by Morro Bay, Fort Bragg, Bodega Bay, Ventura, Avila, Moss Landing, Eureka, Half Moon Bay, Crescent City, Monterey, San Pedro and San Diego (Tables 12-20).

5.2 Rockfish Landings and Revenues Relative to All Species by Gear Type

In all port areas, rockfish landings and revenues made up a small proportion of total landings and revenues for the port area during 1991-95 (Tables 21-29). Average rockfish landings in the Morro Bay port area were the highest proportion of total landings, 21%, for the 1991-95 period. In contrast, the Los Angeles port area, which had the highest average total landings, average rockfish landings were only 1% of total landings. Average rockfish revenues as a proportion of total exvessel revenues were also highest in the Morro Bay area at 21%, and were lowest in the Los Angeles area at 2% (Tables 21-29).

Average rockfish landings by trawl gear for the period were highest in the Eureka port area and virtually nonexistent in the San Diego area (Tables 21-29). Average trawl rockfish landings as a proportion of average total trawl landings -- where there were substantial trawl landings -- were highest in the Fort Bragg area, 41%, and lowest in the Santa Barbara area, 4%. Average trawl rockfish revenues as a proportion of average total trawl revenues -- where there were substantial trawl landings -- were highest in the Monterey area, 27%, and lowest in the Eureka area, 8%.

There was a general decline in hook-and-line rockfish landings for all port areas during the 1991-95 period. The San Francisco port area had the highest average hook-and-line rockfish landings for the period (Tables 21-29). Average hook-and-line rockfish landings for the period were lowest in the San Diego area.

As a proportion of average total hook-and-line landings, average rockfish hook-and-line landings were highest in the Morro Bay area, 56%, and lowest in the Los Angeles area, 8%. Morro Bay hook-and-line rockfish revenues as a proportion of total hook-and-line revenues were also the highest by area, averaging 46% for the period. The proportion for the Los Angeles area was the lowest, averaging 8% for the period.

Gill net landings of rockfish only occurred in the San Francisco and port areas south during the 1991-95 period (Tables 21-29). There was a general downward trend in gill net rockfish landings over the period. Average gill net rockfish landings were equally high in the Morro Bay and Santa Barbara areas and lowest in the San Diego area. As a proportion of average total gill net landings, average rockfish landings were highest in the Morro Bay area, 54%, and lowest in the San Diego area, 15%. Average gill net rockfish revenues as a proportion of average total gill net revenues were highest in the Morro Bay area, 33%, and lowest in the Santa Barbara area, 11%.

5.3 Rockfish Vessels and Processors

Except for the Santa Barbara area, the number of vessels making rockfish landings declined in all port areas from 1991-95. This same trend also held for vessels making groundfish landings. The number of vessels making landings of any species also decreased with the exception of the Morro Bay and Los Angeles areas (Tables 30-38). On average, Morro Bay had more vessels landing rockfish than any other port area during the 1991-95 period, and the highest average proportion of vessels landing rockfish, 75%, for the period. On average, about 30% of the vessels landing in the other port areas had rockfish landings. The proportion of vessels with rockfish landings tended to decrease southward along the coast, with the exception of the Morro Bay area. Rockfish was the principle species for less than half of the vessels with rockfish landings during the period except in the Morro Bay area. For well over 50% of the vessels landing rockfish in a particular port area during the period, with rockfish as their principle species, that port area was those vessels principle port area.

The San Francisco port area had an average of 157 fish processors for the period, more than any other area. On average, about 55% of the San Francisco processors handled rockfish. In most of the other port areas about 50% of the processors received rockfish during the period (Tables 30-38).

5.4 Annual Landings, Revenues and Average Prices by Rockfish Market Category

5.4.1 All Gears

All port areas had significant landings in the unspecified rockfish (rockfish), group reds, group rosefish and group small reds market categories during the 1991-95 period. In most cases however, as overall rockfish landings declined and species sorting requirements became more stringent the quantities landed in these categories declined toward the end of the period. For rockfish landings in more specific categories, rather distinct patterns emerge for the period, when moving north to south by port area (Tables 39-47).

During the 1991-95 period, landings in the black rockfish market category occurred mainly in the Eureka area with only trace amounts elsewhere. The blackgill rockfish category was only important from the Morro Bay port area south. The bocaccio market category was important all along the coast, with the greatest share of landings in this category occurring in the San Francisco, Monterey and Morro Bay areas. Landings in the California scorpianfish category were only significant in the Los Angeles and San Diego areas. The Bodega Bay, San Francisco, Monterey and Morro bay areas accounted for most of the landings in the chilipepper market category. Landings in the widow rockfish category were only significant in the Monterey area and areas north. Landings in the other rockfish market categories were relatively small and quite variable over the period.

Real exvessel prices (1991 dollars) for landings in the rockfish market categories tended to increase from north to south, and over the period (Tables 39-47). For example, the average price for the bocaccio market category in the Eureka area was $.33 per pound (1991 dollars) in 1991 and in the Los Angeles area it was $.58 per pound in 1991. The average price for bocaccio in the Eureka area was $.41 per pound in 1995, and in the Los Angeles area it was $.67 per pound in 1995. For landings in the chilipepper category the average price in the Bodega bay area was $.44 per pound in 1991 and in the Morro Bay area it was $.41 per pound in 1992. In 1995, the average price for landings in the chilipepper category was $.41 per pound in the Bodega Bay area and $1.37 per pound in the Morro Bay area. For the widow rockfish category the average price in the Eureka area was $.29 per pound in 1991 and in the San Francisco area it was $.33 per pound. In 1995 the widow category average price was $.38 per pound in the Eureka area and $.41 per

pound in the San Francisco area.

5.4.2 By Gear Type

There were rockfish landings by trawl gear in all port areas except San Diego during the 1991-95 period. Trawl gear was the dominant gear in the Eureka and Fort Bragg areas in all five years, accounting for 65-95% of all rockfish landings during the period. In the Bodega Bay area through the Morro Bay area trawl gear was less dominant. There were years during the period when either hook-and-line, or hook-and-line together with gill net or other gear accounted for most of the rockfish landings. In the Santa Barbara and Los Angeles areas trawl-caught rockfish landings typically made up less than 2% of the annual rockfish landings during the period (Tables 48-71).

Hook-and-line gear was the most prevalent gear type in terms of rockfish landings during the 1991-95 period. It rendered rockfish landings in all port areas and in more market categories than any other gear type. Hook-and-line gear was the dominant gear in the Santa Barbara, Los Angeles and San Diego areas during the period, accounting for 50-82% of annual rockfish landings (Tables 48-71).

Gill net gear, the other major rockfish gear type, contributed to rockfish landings in the San Francisco Bay area and in all areas south. The average proportion of total rockfish landings by gill net gear ranged from a low of 8% in the San Francisco area to a high of 27% in the San Diego area. Rockfish landings by gill net gear declined in all areas over the period (Tables 48-71).

Rockfish exvessel revenues from the different gear types followed the same pattern as landings by gear type across port areas for the 1991-95 period. Revenues from trawl gear made up from 60-90% of total rockfish revenues in the Eureka and Fort Bragg areas during the period, with hook-and-line gear making up the balance. In the Bodega Bay area through the Morro Bay area, hook-and-line, or hook-and-line together with gill net or other gear accounted for a greater share of rockfish revenues. In the Santa Barbara and Los Angeles areas revenues from trawl-caught rockfish routinely made up less than 4% of the annual rockfish landings over the period (Tables 48-71).

Hook-and-line gear contributed the greatest share of rockfish revenues in the Santa Barbara, Los Angeles and San Diego areas during the period, 60-84% of annual rockfish revenues. Gill net gear made up most of the remainder (Tables 48-71).

The proportion of total rockfish revenues provided by gill net gear ranged from 5-13% in the San Francisco area to 12-32% in the San Diego area (Tables 48-71).

5.5 Proportion of Vessels by Principle Gear for each Port Area

Vessels whose principle species was rockfish in any year during the 1991-95 period were further categorized by principle port area and by principle gear. Based on these categories, there were 68 vessels on average with rockfish as their principle species and Eureka as their principle port area. Hook-and-line gear was the principle gear for 96% of these 68 vessels, trawl gear was the principle gear for 2%, and other gear was the principle gear for the remaining 2%. Hook-and-line gear was the principle gear for at least 94% of the vessels with rockfish as principle species and Eureka as principle port area in all years of the period (Table 72). The distribution of vessels, with rockfish as principle species and any of the remaining port areas as principle port, by principle gear showed the same pattern as that for Eureka. Hook-and-line was the principle gear type for at least 70% of the vessels in the other port areas (Table 72).

5.6 Rockfish Prices by Gear and Port Area

Weighted average, real exvessel rockfish prices (total revenues/total landings, 1991 dollars) were calculated by port and gear for landings by vessels whose principle species was rockfish during the 1991-95 period (Table 73). In areas north of Santa Barbara, where there were substantial quantities of trawl-caught rockfish, prices for hook-and-line caught rockfish were higher than trawl-caught prices. In the Santa Barbara and Los Angeles port areas there were years during the period when trawl-caught rockfish prices exceeded hook-and-line caught prices. In Monterey and Morro Bay areas, gill net-caught rockfish prices were consistently higher than trawl prices, but lower than hook-and-line prices. In the Santa Barbara and Los Angeles port areas gill net prices were lower than trawl and hook-and-line prices.

In the Santa Barbara area and the areas south, what little trawl-caught rockfish there were during the period consisted mainly of California scorpianfish (Tables 54-56). California scorpianfish were relatively high valued which helps explain why trawl-caught rockfish prices in these port areas were higher than hook-and-line and gill-net-caught rockfish prices. Rockfish prices tended to increase over the period in all areas and for all gear types.

5.7 Landings of all Species by Vessels whose Principle Species was Rockfish by Principle Port Area and Principle Gear

Vessels whose principle species was rockfish (rockfish vessels) during the 1991-95 period, typically landed a number of other species, which varied by the vessel's principle gear and principle port area. For rockfish vessels with hook-and-line as their principle gear and Eureka as their principle port area, crab, ling cod and sablefish were the species which provided most of the remaining exvessel revenues. For hook-and-line vessels with Fort Bragg, Bodega Bay, San Francisco or Monterey as their principle port area, the next most important species were ling cod and sablefish. Salmon was also important in the San Francisco and Monterey areas, but annual salmon landings were less stable than annual ling cod and sablefish landings. For hook-and-line vessels in the Morro Bay area other roundfish, salmon and ling cod were the next most important species in terms of exvessel revenues. Sablefish, shark, and other roundfish were the next most important species in the Santa Barbara, Los Angeles and San Diego areas (Tables 74-82).

Rockfish vessels with trawl gear as their principle gear and one of the port areas from Eureka through Morro bay as their principle port area during the 1991-95 period, consistently had landings from the deep-slope, dover sole, thornyhead rockfish and sablefish assemblage. Combined annual revenues from these three species made up a large share of total revenues for these vessels, and often exceeded revenues from rockfish. Ling cod, other sole, and other flatfish were also important species in the revenue mix for rockfish vessels with trawl as their principle gear. Occasionally shrimp would comprise a substantial share of these vessels' annual revenues, but not consistently (Tables 83-88).

Ling cod was the next most important species for rockfish vessels with gill net gear as principle gear and one of the port areas from San Francisco through Los Angeles as principle port area during the 1991-95 period. Sablefish and other sole were also important in the San Francisco and Monterey area landings. Swordfish and shark were the next most important species for rockfish vessels with gill net gear as principle gear, and San Diego as principle port area. Swordfish and shark also made substantial contributions to the revenues of rockfish vessels with gill net gear as principle gear and Santa Barbara or Los Angeles as principle port, although on a irregular basis (Tables 89-94).

6.0 CONCLUSIONS

In terms of landings and revenues, trawl gear tended to dominate rockfish fisheries in northern California during the 1991-95 period. The dover sole, thornyhead, sablefish assemblage was the mainstay for most northern California trawlers, with rockfish representing a stable, year-round complement. Central California was a transition area for rockfish fisheries, trawl gear became less important relative to hook-and-line and gill net gear. Rockfish fisheries in southern California were predominately smaller scale, hook-and-line and gill net fisheries.

Even though the Eureka port area consistently had the highest average rockfish landings during the period, the Morro Bay port area was most heavily dependent on rockfish landings and revenues relative to landings of all species. The Los Angeles port area was least dependent on rockfish landings and revenues.

For California vessels whose principle species was rockfish during the 1991-95 period, hook-and-line was most often the principle gear. There were a large number of hook-and-line vessels relative to other gear types, and hook-and-line vessels tended to specialize in rockfish. The fact that hook-and-line caught rockfish prices were high relative to prices of rockfish landings by other gear types during the period would qualify rockfish as the principle species even when there were comparable landings of other species. For hook-and-line vessels there was very little evidence that in order to land more rockfish a vessel would have to give up landings of alternative species, and vice versa.

In all California port areas rockfish landings and revenues made up a small proportion of overall landings and revenues for the 1991-95 period. However, rockfish are likely to become more important in terms of a vessel's overall fishing strategy, particularly as the availability of alternative species is affected by declines in resource abundance and the management response to such declines. This will especially be the case for California trawlers currently dependent on the DTS assemblage, in view of the significant reductions in quotas for shortspine thornyhead and sablefish.

Increasing demand in the live-fish markets, as this form of consumption becomes more popular among traditional consumers, will intensify effort on the near-shore rockfish species off California. Overfishing is already a concern in the live-fish fishery, and increased harvesting pressure may seriously jeopardize reproduction (recruitment overfishing) and lead to significant losses in stock productivity. The

popularity of rockfish with recreational users adds to the problem.

Lumping rockfish into market categories makes it difficult to accurately monitor and assess the status of individual species. To overcome this the State, in conjunction with the National Marine Fisheries Service, currently operates a commercial port sampling program to collect information on species landings compositions. (Pearson and Almany, 1995). The data collected by this program is adequate for the offshore trawl fishery, but more precise information as to the species that are landed in the different market categories important in the nearshore fisheries is needed. Enhanced monitoring of commercial and recreational nearshore fisheries would help immeasurably in this regard.

Commercial-recreational conflicts over the use of rockfish resources have become a major concern at the State level. A number of management measures have been introduced to reduce user conflicts and enhance resource productivity. As fishing pressure by different user groups mounts, while rockfish resources continue to dwindle, direct allocation of harvest quotas becomes more the practice. Under these circumstances, it is crucial that management and conservation be born equitably by all user groups. To accomplish this more accurate monitoring of commercial and recreational harvests is critical.

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Table 1. California landings (MT) of rockfish, groundfish and all species 1991-95.

	Year					
Species	1991	1992	1993	1994	1995	AVE
Rockfish	10969	10209	8552	7494	8017	9048
Groundfish[1]	39756	34797	28063	24737	28398	31150
All Species	169545	136593	144934	150984	193785	159168
Rock./Ground.	35%	42%	45%	44%	41%	41%
Rock./All Sp.	8%	11%	9%	7%	6%	8%

[1]Groundfish includes rockfish.

Table 2. California exvessel revenues (million 1991 dollars) from rockfish, groundfish and all species, 1991-95.

	Year					
Species	1991	1992	1993	1994	1995	AVE
Rockfish	$10.6	$10.2	$8.8	$8.1	$8.9	$9.3
Groundfish[1]	$27.2	$27.8	$22.5	$22.8	$31.3	$26.3
All Species	$146.0	$131.2	$123.2	$137.9	$144.7	$136.6
Rock./Ground.	50%	53%	59%	58%	52%	54%
Rock./All Sp.	9%	11%	11%	10%	11%	10%

[1]Groundfish includes rockfish.

Table 3. Number of vessels with California commercial landings of rockfish, groundfish and any species, 1991-95.

	Year					
Species	1991	1992	1993	1994	1995	AVE
Rockfish	1961	1824	1548	1503	1390	1645
Groundfish[1]	2043	1918	1608	1605	1508	1736
Any Species	4391	3875	3618	3681	3456	3804

[1]Groundfish includes rockfish.

Table 4. Number of California vessels with rockfish as principle species (PS), 1991-95.

	Year					
Vessels	1991	1992	1993	1994	1995	AVE
PS=Rockfish	778	721	589	596	479	633

Table 5. Number of California processors who processed rockfish and total processors, 1991-95.

	Year					
Processors	1991	1992	1993	1994	1995	AVE
Rockfish	469	556	469	548	461	501
Total	1084	1141	1067	1232	1135	1131

Table 6. Annual California rockfish landings (MT) by gear type, 1991-95.

Gear Type	1991	1992	1993	1994	1995
GILL NET	1466	1462	998	587	655
HOOK & LINE	3227	4152	3003	2427	1818
TRAWL	5701	4070	4425	4325	5456
OTHER	14	26	20	33	47
UNKNOWN	562	499	106	122	41
Total	10970	10209	8552	7494	8017

Table 7. Annual California rockfish exvessel revenues (1991 $1,000) by gear type, 1991-95.

Gear Type	1991	1992	1993	1994	1995
GILL NET	$1,370.1	$1,364.4	$988.8	$597.3	$660.7
HOOK & LINE	$4,869.9	$5,602.3	$4,704.7	$4,059.5	$3,887.1
TRAWL	$3,783.5	$2,680.5	$2,947.7	$3,173.0	$4,150.9
OTHER	$25.7	$48.7	$36.9	$75.1	$143.3
UNKNOWN	$565.8	$520.1	$127.6	$156.2	$58.8
Total	$10,614.9	$10,215.9	$8,805.7	$8,061.0	$8,900.8

Table 8. Annual California rockfish landings (MT) by market category, 1991-95.

	YEAR				
Market Category	1991	1992	1993	1994	1995
AURORA	0.00	0.00	0.15	0.00	1.79
BANK	41.48	12.57	45.16	25.35	48.27
BLACK	125.70	88.11	39.33	112.85	107.50
BLACK-AND-YELLOW	0.02	0.00	0.04	0.00	0.00
BLACKGILL	280.72	312.46	233.27	262.95	185.54
BLUE	8.86	12.46	11.97	33.40	18.27
BOCACCIO	981.45	1,355.98	1,168.97	856.71	757.26
BRONZESPOTTED	0.00	0.01	0.01	0.02	0.28
BROWN	1.39	5.07	3.79	4.18	1.76
CA SCORPIONFISH	28.90	35.10	26.87	51.34	41.10
CHILIPEPPER	878.86	1,498.05	948.44	1,223.41	1,267.04
CHINA	8.17	5.43	4.85	31.02	26.34
COPPER	16.42	16.99	9.40	34.96	44.05
COWCOD	6.89	11.58	13.79	15.30	23.65
FLAG	0.00	0.00	0.88	0.08	0.46
GOPHER	0.00	3.39	0.16	14.18	7.92
GRASS	1.66	5.14	10.10	33.09	49.48
GREENSPOTTED	1.31	13.43	4.23	15.15	6.97
GREENSTRIPED	0.47	0.76	0.75	1.42	5.77
GROUP BLUE/BLACK	0.00	0.00	0.00	4.68	0.17
GROUP BOLINA	92.55	73.57	47.74	33.50	24.50
GROUP DEEP REDS	0.12	0.48	0.23	1.07	16.59
GROUP GOPHER	83.17	78.29	77.43	67.00	76.46
GROUP RED	1,055.68	762.99	578.27	623.95	464.16
GROUP ROSEFISH	413.05	387.48	344.05	248.40	294.02
GROUP SMALL REDS	366.86	225.74	353.14	499.50	417.65
BOCACCIO/CHILI	10.49	4.84	7.02	0.00	0.00
CANARY/VERMILLION	0.00	0.00	0.00	0.07	0.10
HONEYCOMB	0.00	0.00	0.01	0.00	0.00
KELP	0.55	0.03	2.58	3.04	2.40

Table 8. continued

CANARY	27.56	48.91	38.62	94.05	153.39
OLIVE	0.06	0.28	0.22	0.06	0.26
PINKROSE	2.61	0.59	1.16	4.60	3.97
QUILLBACK	0.00	0.00	0.00	1.26	5.19
REDBANDED	0.01	0.40	0.09	2.78	0.95
ROCKFISH	5,139.07	3,910.67	3,258.66	1,963.00	1,962.31
ROSETHORN	0.00	0.27	0.11	0.10	0.68
ROSY	0.03	0.13	0.00	0.45	0.05
SHORTBELLY	0.00	0.18	0.00	2.81	5.72
SPECKLED	0.00	0.00	0.00	0.01	0.00
SPLITNOSE	50.81	9.74	7.99	1.83	0.01
SQUARESPOT	0.00	0.00	0.00	0.64	0.04
STARRY	15.27	14.24	11.94	9.18	1.93
TREEFISH	0.00	0.01	0.01	0.05	0.09
VERMILLION	0.72	0.98	1.03	22.20	21.12
WHITEBELLY	4.71	2.91	0.00	0.00	0.00
WIDOW	1,150.99	1,085.21	1,165.21	921.76	1,700.10
YELLOWEYE	39.41	29.32	18.42	25.76	30.34
YELLOWTAIL	133.41	195.42	115.90	246.81	241.50
Total	10969.43	10209.21	8551.99	7493.97	8017.15

Table 9. Exvessel value (1991 $1,000) of annual California rockfish landings by market category, 1991-95.

	Year				
Market Category	1991	1992	1993	1994	1995
AURORA	$0.0	$0.0	$0.5	$0.0	$3.6
BANK	$32.0	$9.5	$38.6	$23.0	$42.5
BLACK	$109.4	$83.3	$39.6	$109.0	$113.6
BLACK-AND-YELLOW	$0.0	$0.0	$0.0	$0.0	$0.0
BLACKGILL	$377.2	$372.5	$285.2	$374.5	$250.5
BLUE	$8.2	$11.5	$13.9	$36.5	$21.0
BOCACCIO	$725.4	$1,087.4	$929.8	$711.0	$659.6
BRONZESPOTTED	$0.0	$0.0	$0.0	$0.0	$0.6
BROWN	$1.2	$5.0	$3.2	$9.2	$4.7
CA SCORPIONFISH	$104.4	$120.1	$90.4	$167.5	$129.4
CHAMELEON	$0.0	$0.0	$0.0	$0.0	$0.0
CHILIPEPPER	$660.6	$1,147.4	$775.5	$1,097.3	$1,148.7
CHINA	$21.3	$13.7	$17.0	$116.3	$97.4
COPPER	$20.7	$19.3	$16.7	$103.1	$123.2
COWCOD	$20.1	$29.2	$35.7	$36.4	$54.6
FLAG	$0.0	$0.0	$3.9	$0.2	$0.8
GOPHER	$0.0	$10.1	$0.7	$32.8	$98.3
GRASS	$3.7	$15.4	$67.5	$273.9	$477.2
GREENSPOTTED	$2.0	$18.5	$6.0	$30.1	$11.9
GREENSTRIPED	$0.5	$0.7	$0.7	$1.0	$2.7
GROUP BLUE/BLACK	$0.0	$0.0	$0.0	$5.1	$0.4
GROUP BOLINA	$245.4	$201.4	$169.6	$140.6	$97.6
GROUP DEEP REDS	$0.1	$0.4	$0.1	$1.5	$15.5
GROUP GOPHER	$226.0	$247.2	$244.9	$240.6	$368.9
GROUP RED	$1,717.1	$1,426.2	$1,224.4	$1,150.2	$912.3
GROUP ROSEFISH	$229.8	$212.2	$176.2	$139.6	$198.2
GROUP SMALL REDS	$233.1	$136.5	$222.0	$330.1	$256.9
GRP BOCACCIO/CHILI	$9.7	$3.4	$5.3	$0.0	$0.0
GRP CANARY/VERMILLION	$0.0	$0.0	$0.0	$0.1	$0.2
HONEYCOMB	$0.0	$0.0	$0.0	$0.0	$0.0

Table 9. continued

KELP	$0.9	$0.0	$5.4	$9.6	$5.5
CANARY	$40.2	$67.4	$41.8	$136.0	$196.8
OLIVE	$0.1	$0.3	$0.3	$0.1	$0.3
PINKROSE	$2.7	$0.5	$0.9	$4.5	$4.0
QUILLBACK	$0.0	$0.0	$0.0	$3.6	$14.9
REDBANDED	$0.0	$0.5	$0.1	$4.4	$1.2
ROCKFISH	$4,815.0	$3,986.8	$3,476.5	$1,776.6	$2,014.1
ROSETHORN	$0.0	$0.2	$0.1	$0.1	$0.7
ROSY	$0.0	$0.1	$0.0	$0.5	$0.1
SHORTBELLY	$0.0	$0.1	$0.0	$0.9	$1.8
SPECKLED	$0.0	$0.0	$0.0	$0.0	$0.0
SPLITNOSE	$31.7	$5.8	$4.2	$1.0	$0.0
SQUARESPOT	$0.0	$0.0	$0.0	$1.1	$0.0
STARRY	$55.2	$46.5	$38.9	$23.5	$5.2
TREEFISH	$0.0	$0.0	$0.0	$0.3	$1.2
VERMILLION	$1.2	$1.2	$1.9	$39.9	$38.8
WHITEBELLY	$8.1	$4.9	$0.0	$0.0	$0.0
WIDOW	$723.6	$696.1	$732.8	$642.5	$1,222.2
YELLOWEYE	$70.7	$54.6	$34.6	$55.8	$79.3
YELLOWTAIL	$117.6	$179.7	$100.6	$230.7	$224.6
Total	$10,644.9	$10,245.9	$8,805.7	$8,061.0	$8,900.8

Table 10. California ports with any amount of reported rockfish landings, by port area during, 1991-95.

Port Area				
Eureka	**Fort Bragg**	**Bodega Bay**	**San Francisco**	**Monterey**
Crescent City	Fort Bragg	Timber Cove	Princeton/ Halfmoon	Santa Cruz
Orick	Little River	Bodega Bay	San Francisco	Moss Landing
Trinidad	Albion	Dillon Beach	Sausalito	Monterey
Arcata Bay	Elk	Tomales Bay	Oakland	Big Creek
Eureka	Point Arena	Marconi Cove	Alameda	Mill Creek
Humbolt Bay	Anchor Bay	Inverness	Alviso	
Fields Land.		Point Reyes	Berkeley	**San Diego**
Shelter Cove	**Santa Barbara**	Drakes Bay	China Camp	Oceanside
	Gaviota Beach	Bolinas	Emeryville	La Jolla
Morro Bay	Goleta Beach		Glen Cove	Mission Bay
San Simeon	Santa Barbara	**Los Angeles**	Martinez	Point Loma
Morro Bay	Ventura	Malibu	Pacifica	San Diego
Avila/Port San Luis	Oxnard/Chan. Islands Har.	Marina del Rey	Pinole	National City
	Port Hueneme	Hermosa Beach	Redwood City	
		Redondo Beach	Richmond	
		San Pedro	San Rafael	
		Wilmington	S. San Fran.	
		Los Angeles	Vallejo	
		Terminal Is.		
		Long Beach		
		Avalon		
		Seal Beach		
		Huntington Beach		
		Newport Beach		
		Balboa		
		Dana Point		

ble 11. Gears with California rockfish landings categorized by type, 1991-95.

Gear Category			
Gill Net	Hook & Line	Trawl	Other
NCIRCLING NETS	HOOK AND LINE (ROD/REEL)	BALLOON TRAWL	BEACH SEINE OR SURF NET
NTANGLING NETS	JIG	BEAM TRAWL	BRAIL
ILL NET, DRIFT	LIVE BAIT	MIDWATER TRAWL	CAST NET
ILL NET, SET	LONG LINE, SET	OTTER TRAWL	CRAB OR LOBSTER TRAP
RAMMEL NET	SALMON MOOCHING	OTTER, DOUBLE RIG	DANISH/SCOTTISH SEINE
	TROLL, ALBACORE	OTTER, SINGLE RIG	DIP NET, "A" FRAME
	TROLL, GROUNDFISH	PAIR TRAWL	DIVING
	TROLL, SALMON	PARANZELLA	DIVING - ABALONE IRON
	VERT (PORT. LONGLINE)	TRAWL NETS	DIVING - RAKE/HOOKS
		ROLLER TRAWL	DRUM SEINE
			ENTRAPPING
			FISH TRAP
			FYKE NET
			HARPOON (PLANK)
			HOOP NET, CRAB-RINGS
			LAMPARA BAIT NET
			MISCELLANEOUS
			NET
			PRAWN TRAP
			PURSE SEINE
			SHRIMP NET, CHINESE TYPE
			SPEAR
			TRAPS, SEATTLE TYPE (SABLEFISH)

Table 12. Rockfish landings and revenues by port for the Eureka port area, 1991-95.

Port	Year 1991	1992	1993	1994	1995
			Landings (MT)		
Crescent City	746.12	614.06	746.75	518.40	658.75
Eureka	866.96	833.26	830.07	838.86	796.25
Fields Landing	405.26	377.59	388.99	321.32	341.53
Shelter Cove	50.52	7.01	7.54	11.24	12.44
Other[1]	6.13	1.69	0.75	3.50	16.73
Total Landings	2075.00	1833.62	1974.10	1693.32	1825.69
			Revenues ($ 1991)		
Crescent City	$581,788	$468,839	$528,765	$409,972	$580,983
Eureka	$626,936	$605,866	$578,878	$619,738	$610,831
Fields Landing	$252,785	$238,949	$242,859	$213,528	$228,056
Shelter Cove	$42,860	$6,149	$6,353	$10,518	$12,291
Other	$5,994	$1,643	$807	$3,843	$18,849
Total Revenues	$1,509,964	$1,321,445	$1,357,663	$1,257,600	$1,451,011

[1]Other includes those additional ports in Table 10 whose combined rockfish landings average less than 10% of the port area's annual total rockfish landings.

Table 13. Rockfish landings and revenues by port for the Ft. Bragg port area, 1991-95.

	Year				
Port	1991	1992	1993	1994	1995
	Landings (MT)				
Fort Bragg	1501.25	817.86	597.45	985.76	1251.67
Other[1]	1.95	2.04	0.95	2.6	5.16
Total Landings	1503.13	819.95	598.4	989.05	1256.83
	Revenues ($ 1991)				
Fort Bragg	$1,101,067	$654,174	$440,126	$769,078	$962,822
Other	$2,769	$2,505	$1,344	$4,476	$3,919
Total Revenues	$1,103,836	$656,679	$441,470	$773,554	$966,741

[1]Other includes those additional ports in Table 10 whose combined rockfish landings average less than 10% of the port area's annual total rockfish landings.

Table 14. Rockfish landings and revenues by port for the Bodega Bay port area, 1991-95.

	Year				
Port	1991	1992	1993	1994	1995
	Landings (MT)				
Bodega Bay	820.30	1098.25	1051.88	572.86	555.38
Other[1]	4.67	1.20	0.27	2.26	3.38
Total Landings	824.97	1099.45	1052.15	575.12	558.76
	Revenues ($1991)				
Bodega Bay	$646,990	$877,371	$880,832	$577,334	$733,280
Other	$6,417	$1,735	$789	$5,001	$5,550
Total Revenues	$653,407	$879,106	$881,621	$582,335	$738,830

[1]Other includes those additional ports in Table 10 whose combined rockfish landings average less than 10% of the port area's annual total rockfish landings.

Table 15. Rockfish landings and revenues by port for the San Francisco port area, 1991-95.

Port	Year 1991	1992	1993	1994	1995
			Landings (MT)		
Berkeley	100.61	42.69	23.95	23.38	25.76
Prin./Halfmoon	612.75	659.26	590.19	420.15	289.97
San Francisco	1773.19	1581.63	749.96	607.14	869.25
Other[1]	12.37	8.45	5.98	32.47	12.59
Total Landings	2498.93	2292.03	1370.13	1083.14	1197.57
			Revenues ($ 1991)		
Berkeley	$123,471	$54,159	$41,256	$38,049	$35,188
Prin./Halfmoon	$626,023	$738,250	$659,576	$457,278	$339,171
San Francisco	$1,450,055	$1,278,064	$724,686	$615,749	$820,029
Other	$16,911	$14,702	$8,689	$41,809	$18,109
Total Revenues	$2,216,459	$2,085,174	$1,434,207	$1,152,885	$1,212,499

[1]Other includes those additional ports in Table 10 whose combined rockfish landings average less than 10% of the port area's annual total rockfish landings.

Table 16. Rockfish landings and revenues by port for the Monterey port area, 1991-95.

	Year				
Port	1991	1992	1993	1994	1995
	Landings (MT)				
Monterey	544.64	331.41	440.36	327.38	717.08
Moss Landing	698.95	916.98	736.87	529.62	592.02
Other[1]	0.00	0.00	0.58	5.40	11.96
Total Landings	1243.60	1248.40	1177.81	862.39	1321.06
	Revenues ($ 1991)				
Monterey	$489,066	$281,404	$329,500	$324,727	$663,224
Moss Landing	$595,914	$762,818	$660,717	$513,386	$557,778
Other	$0	$0	$1,362	$12,055	$29,397
Total Revenues	$1,084,980	$1,044,222	$991,579	$850,168	$1,250,400

[1]Other includes those additional ports in Table 10 whose combined rockfish landings average less than 10% of the port area's annual total rockfish landings.

Table 17. Rockfish landings and revenues by port for the Morro Bay port area, 1991-95.

	Year				
Port	1991	1992	1993	1994	1995
	Landings (MT)				
Avila/Pt. San Luis	385.36	480.39	488.27	623.52	346.38
Morro Bay	874.60	730.21	531.46	530.90	500.16
Other[1]	0.19	0.09	0.20	0.66	0.03
Total Landings	1260.15	1210.69	1019.93	1155.08	846.58
	Revenues ($ 1991)				
Avila/Pt. San Luis	$529,425	$678,687	$689,372	$775,033	$546,285
Morro Bay	$924,642	$909,567	$844,312	$731,929	$911,853
Other	$1,288	$181	$360	$4,775	$66
Total Revenues	$1,455,295	$1,588,435	$1,534,044	$1,511,738	$1,458,204

[1]Other includes those additional ports in Table 10 whose combined rockfish landings average less than 10% of the port area's annual total rockfish landings.

Table 18. Rockfish landings and revenues by port for the Santa Barbara port area, 1991-95.

Port	Year 1991	1992	1993	1994	1995
			Landings (MT)		
Oxnard/Chan Is Har	19.28	43.29	65.07	95.07	85.16
Santa Barbara Har	63.46	84.63	70.25	214.55	113.64
Ventura	781.88	798.93	611.46	198.26	266.34
Other[1]	11.01	3.96	11.47	3.85	5.32
Total Landings	875.63	930.81	758.25	511.73	470.45
			Revenues ($ 1991)		
Oxnard/Chan Is Har	$53,675	$91,359	$137,440	$206,585	$198,954
Santa Barbara Har	$179,612	$217,722	$203,775	$413,771	$336,635
Ventura	$1,125,888	$1,035,863	$789,804	$255,561	$371,494
Other	$20,645	$3,105	$30,347	$14,825	$5,941
Total Revenues	$1,379,819	$1,348,049	$1,161,367	$890,742	$913,024

[1]Other includes those additional ports in Table 10 whose combined rockfish landings average less than 10% of the port area's annual total rockfish landings.

Table 19. Rockfish landings and revenues by port for the Los Angeles port area, 1991-95.

Port	Year 1991	1992	1993	1994	1995
			Landings (MT)		
Newport Beach	42.73	24.61	22.51	12.50	17.06
Redondo Beach	18.67	20.63	18.74	13.76	0.77
San Pedro	154.62	160.46	166.52	115.80	152.25
Terminal Island	141.72	126.34	36.30	132.65	45.82
Other[1]	22.64	13.92	10.46	10.97	26.24
Total Landings	380.35	345.97	254.53	285.67	242.15
			Revenues ($ 1991)		
Newport Beach	$114,921	$74,895	$66,274	$39,882	$56,496
Redondo Beach	$65,135	$49,704	$42,463	$31,767	$1,996
San Pedro	$245,630	$280,637	$272,554	$208,616	$265,477
Terminal Island	$240,199	$191,153	$77,098	$224,981	$93,026
Other	$58,688	$40,854	$27,409	$25,924	$69,953
Total Revenues	$724,573	$637,242	$485,798	$531,169	$486,948

[1]Other includes those additional ports in Table 10 whose combined rockfish landings average less than 10% of the port area's annual total rockfish landings.

Table 20. Rockfish landings and revenues by port for the San Diego port area, 1991-95.

Port	Year 1991	1992	1993	1994	1995
			Landings (MT)		
Oceanside	10.99	6.68	7.67	19.43	11.63
San Diego	122.83	246.71	149.69	99.71	69.15
Other[1]	0.83	0.79	0.72	12.06	13.85
Total Landings	134.65	254.17	158.07	131.19	94.63
			Revenues ($ 1991)		
Oceanside	$25,291	$16,726	$21,715	$50,674	$28,356
San Diego	$244,814	$419,800	$265,645	$185,925	$127,140
Other	$1,966	$2,190	$3,078	$30,005	$34,944
Total Revenues	$272,070	$438,716	$290,438	$266,605	$190,440

[1]Other includes those additional ports in Table 10 whose combined rockfish landings average less than 10% of the port area's annual total rockfish landings.

Table 21. Eureka area landings and revenues of rockfish and all species, 1991-95.

Species	Year 1991	1992	1993	1994	1995	AVE
			Landings (MT)			
			All Gears			
Rockfish	2077	1833	1973	1693	1826	1880
All Species	22914	28138	21669	21781	17148	22330
			Trawl Gear			
Rockfish	1411	1245	1614	1360	1500	1426
All Species	19592	21978	14417	14261	12531	16555
			Hook & Line Gear			
Rockfish	646	533	346	299	306	426
All Species	964	1039	928	1273	796	1000
			Revenues (millions $ 1991)			
			All Gears			
Rockfish	$1.5	$1.3	$1.4	$1.3	$1.5	$1.4
All Species	$19.8	$27.8	$24.9	$29.0	$20.9	$24.4
			Trawl Gear			
Rockfish	$0.9	$0.8	$1.0	$0.9	$1.0	$0.9
All Species	$13.2	$13.6	$9.0	$11.8	$10.9	$11.7
			Hook & Line Gear			
Rockfish	$0.6	$0.5	$0.3	$0.3	$0.4	$0.4
All Species	$1.4	$1.5	$1.3	$2.5	$1.4	$1.6

Table 22. Ft. Bragg area landings and revenues of rockfish and all species, 1991-95.

Species	Year					
	1991	1992	1993	1994	1995	AVE
	Landings (MT)					
	All Gears					
Rockfish	1503	820	598	989	1257	1033
All Species	9600	7168	5549	5962	6638	6987
	Trawl Gear					
Rockfish	1296	584	511	864	1177	886
All Species	3611	2680	2536	3354	3949	2154
	Hook & Line Gear					
Rockfish	166	210	86	107	75	128
All Species	684	507	366	329	317	440
	Revenues (millions $ 1991)					
	All Gears					
Rockfish	$1.1	$0.7	$0.4	$0.8	$1.0	$0.6
All Species	$13.9	$9.9	$7.8	$8.6	$10.4	$10.1
	Trawl Gear					
Rockfish	$0.8	$0.4	$0.3	$0.6	$0.8	$0.6
All Species	$2.8	$2.2	$1.9	$3.2	$4.4	$2.9
	Hook & Line Gear					
Rockfish	$0.2	$0.3	$0.1	$0.2	%0.1	$0.2
All Species	$1.9	$0.7	$0.8	$0.6	$0.7	$1.0

Table 23. Bodega Bay area landings and revenues of rockfish and all species, 1991-95.

	Year					
Species	1991	1992	1993	1994	1995	AVE
	Landings (MT)					
	All Gears					
Rockfish	823	1099	1048	575	554	821
All Species	6302	5388	3962	2938	3362	4390
	Trawl Gear					
Rockfish	620	372	447	307	422	434
All Species	2345	2183	1954	1108	1641	1846
	Hook & Line Gear					
Rockfish	149	632	588	263	137	354
All Species	670	910	891	552	612	727
	Revenues (millions $ 1991)					
	All Gears					
Rockfish	$0.7	$0.9	$0.9	$0.6	$0.7	$0.8
All Species	$9.8	$7.3	$5.1	$4.9	$6.1	$6.6
	Trawl Gear					
Rockfish	$0.4	$0.2	$0.3	$0.2	$0.3	$0.3
All Species	$1.8	$1.8	$1.5	$1.0	$1.6	$1.5
	Hook & Line Gear					
Rockfish	$0.2	$0.6	$0.6	$0.3	$0.4	$0.4
All Species	$2.5	$1.6	$1.6	$1.3	$1.7	$1.7

Table 24. San Francisco area landings and revenues of rockfish and all species, 1991-95.

	Year					
Species	1991	1992	1993	1994	1995	AVE
	Landings (MT)					
	All Gears					
Rockfish	2499	2292	1366	1097	1201	1691
All Species	16303	14920	9783	10075	10890	12394
	Trawl Gear					
Rockfish	1382	1102	791	537	803	923
All Species	3706	3228	2558	2019	2595	2821
	Hook & Line Gear					
Rockfish	749	1034	457	459	290	598
All Species	1963	1875	1313	1668	1848	1733
	Gill Net Gear					
Rockfish	350	137	106	79	98	154
All Species	5851	4565	2653	2298	3480	3450
	Revenues (millions $ 1991)					
	All Gears					
Rockfish	$2.2	$2.1	$1.4	$1.2	$1.2	$1.6
All Species	$21.5	$19.3	$10.4	$13.3	$20.7	$15.0
	Trawl Gear					
Rockfish	$0.9	$0.8	$0.5	$0.4	$0.7	$0.7
All Species	$3.6	$3.5	$2.6	$2.2	$3.0	$3.0
	Hook & Line Gear					
Rockfish	$1.0	$1.2	$0.8	$0.7	$0.5	$0.8
All Species	$4.6	$4.1	$3.4	$4.6	$5.3	$4.4
	Gill Net Gear					
Rockfish	$0.3	$0.1	<$0.1	<$0.1	<$0.1	$0.1
All Species	$8.3	$6.5	$1.7	$2.4	$6.9	$6.4

Table 25. Monterey area landings and revenues of rockfish and all species, 1991-95.

	Year					
Species	1991	1992	1993	1994	1995	AVE
	Landings (MT)					
	All Gears					
Rockfish	1410	1418	1364	1030	1504	1345
All Species	13958	13785	11997	20268	15636	15129
	Trawl Gear					
Rockfish	221	325	663	486	1002	539
All Species	789	1213	1653	1656	2939	1650
	Hook & Line Gear					
Rockfish	269	245	214	192	130	210
All Species	817	683	933	887	2218	1108
	Gill Net Gear					
Rockfish	455	538	270	187	208	331
All Species	1022	902	655	338	403	664
	Revenues (millions $ 1991)					
	All Gears					
Rockfish	$1.3	$1.3	$1.2	$1.0	$1.4	$1.2
All Species	$8.0	$6.6	$7.6	$11.1	$12.0	$9.1
	Trawl Gear					
Rockfish	$0.1	$0.2	$0.4	$0.4	$0.9	$0.4
All Species	$0.7	$0.9	$1.2	$1.7	$3.0	$1.5
	Hook & Line Gear					
Rockfish	$0.3	$0.3	$0.3	$0.3	$0.2	$0.3
All Species	$2.5	$1.7	$2.4	$2.2	$5.3	$2.8
	Gill Net Gear					
Rockfish	$0.4	$0.4	$0.2	$0.2	$0.2	$0.3
All Species	$1.8	$1.2	$1.3	$0.3	$0.5	$1.0

Table 26. Morro Bay area landings and revenues of rockfish and all species, 1991-95.

	Year					
Species	1991	1992	1993	1994	1995	AVE
	Landings (MT)					
	All Gears					
Rockfish	1260	1212	1019	1155	847	1099
All Species	4651	5425	6455	5408	4556	5298
	Trawl Gear					
Rockfish	749	431	388	751	541	572
All Species	3203	3666	3169	3145	3269	3290
	Hook & Line Gear					
Rockfish	339	432	375	281	215	328
All Species	619	662	601	396	636	583
	Gill Net Gear					
Rockfish	126	271	247	121	81	169
All Species	425	545	357	140	99	313
	Revenues (millions $ 1991)					
	All Gears					
Rockfish	$1.5	$1.6	$1.5	$1.5	$1.3	$1.5
All Species	$6.2	$6.8	$6.6	$6.7	$8.5	$7.0
	Trawl Gear					
Rockfish	$0.5	$0.3	$0.3	$0.6	$0.4	$0.4
All Species	$2.5	$3.0	$2.6	$3.3	$4.9	$3.3
	Hook & Line Gear					
Rockfish	$0.7	$0.9	$1.0	$0.8	$0.8	$0.8
All Species	$1.9	$1.9	$1.9	$1.3	$2.3	$1.8
	Gill Net Gear					
Rockfish	$0.1	$0.3	$0.2	$0.1	$0.1	$0.2
All Species	$1.0	$1.0	$0.6	$0.2	$0.1	$0.6

Table 27. Santa Barbara area landings and revenues of rockfish and all species, 1991-95.

Species	Year					
	1991	1992	1993	1994	1995	AVE
	Landings (MT)					
	All Gears					
Rockfish	875	931	742	520	473	708
All Species	28790	13838	30788	36216	56338	33194
	Trawl Gear					
Rockfish	13	8	4	22	6	11
All Species	253	215	178	305	407	272
	Hook & Line Gear					
Rockfish	538	672	565	366	339	496
All Species	657	779	849	1239	1031	911
	Gill Net Gear					
Rockfish	282	201	150	101	111	169
All Species	873	539	447	204	237	460
	Revenues (millions $ 1991)					
	All Gears					
Rockfish	$1.4	$1.3	$1.1	$0.4	$0.9	$1.1
All Species	$26.9	$23.9	$27.8	$33.5	$33.5	$29.1
	Trawl Gear					
Rockfish	<$0.1	<$0.1	<$0.1	<$0.1	<$0.1	<$0.1
All Species	$0.5	$0.7	$0.6	$1.3	$1.2	$0.9
	Hook & Line Gear					
Rockfish	$0.9	$1.1	$1.0	$0.7	$0.7	$0.9
All Species	$1.3	$1.5	$2.1	$4.1	$2.5	$2.3
	Gill Net Gear					
Rockfish	$0.3	$0.2	$0.1	<$0.1	$0.1	$0.1
All Species	$1.7	$0.9	$0.9	$0.4	$0.5	$0.9

Table 28. Los Angeles area landings and revenues of rockfish and all species, 1991-95.

	Year					
Species	1991	1992	1993	1994	1995	AVE
	Landings (MT)					
	All Gears					
Rockfish	380	346	256	291	247	304
All Species	64755	45912	52971	45727	77062	57285
	Trawl Gear					
Rockfish	6	4	7	15	15	9
All Species	126	124	217	245	244	191
	Hook & Line Gear					
Rockfish	207	172	143	238	199	192
All Species	1655	1722	2464	4405	2424	2534
	Gill Net Gear					
Rockfish	133	141	100	16	24	76
All Species	714	478	489	68	74	365
	Revenues (millions $ 1991)					
	All Gears					
Rockfish	$0.7	$0.6	$0.5	$0.5	$0.5	$0.6
All Species	$34.2	$24.0	$27.2	$23.9	$26.2	$27.1
	Trawl Gear					
Rockfish	<$0.1	<$0.1	<$0.1	<$0.1	<$0.1	<$0.1
All Species	$0.1	$0.1	$0.3	$0.3	$0.5	$0.3
	Hook & Line Gear					
Rockfish	$0.5	$0.4	$0.3	$0.4	$0.4	$0.4
All Species	$4.7	$3.5	$6.1	$7.0	$2.5	$4.8
	Gill Net Gear					
Rockfish	$0.2	$0.2	$0.1	<$0.1	<$0.1	$0.1
All Species	$1.5	$1.0	$1.0	$0.2	$0.2	$0.8

Table 29. San Diego area landings and revenues of rockfish and all species, 1991-95.

Species	Year					
	1991	1992	1993	1994	1995	AVE
	Landings (MT)					
	All Gears					
Rockfish	135	254	157	133	96	155
All Species	2054	1837	1624	2467	1999	1996
	Trawl Gear					
Rockfish	<1	<1	3	<1	<1	1
All Species	1	1	3	1	1	1
	Hook & Line Gear					
Rockfish	89	139	94	108	66	99
All Species	116	375	192	1050	271	401
	Gill Net Gear					
Rockfish	36	98	54	16	23	45
All Species	517	390	428	68	124	305
	Revenues (millions $ 1991)					
	All Gears					
Rockfish	$0.2	$0.4	$0.3	$0.3	$0.2	$0.3
All Species	$5.5	$5.6	$5.7	$6.7	$6.3	$6.0
	Trawl Gear					
Rockfish	<$0.1	<$0.1	<$0.1	<$0.1	<$0.1	<$0.1
All Species	<$0.1	<$0.1	<$0.1	<$0.1	<$0.1	<$0.1
	Hook & Line Gear					
Rockfish	$0.1	$0.3	$0.2	$0.2	$0.1	$0.2
All Species	$0.2	$0.9	$0.4	$1.0	$0.4	$0.6
	Gill Net Gear					
Rockfish	<$0.1	$0.1	<$0.1	<$0.1	<$0.1	<$0.1
All Species	$2.0	$1.2	$1.6	$0.2	$0.2	$0.7

Table 30. Vessels and processors active in the Eureka area, 1991-95.

	Year					
	1991	1992	1993	1994	1995	AVE
A. Number of vessels with landings of rockfish, groundfish and all species.						
Rockfish	358	261	207	220	212	252
Groundfish	376	278	219	240	229	268
Total	717	630	626	660	501	627
B. Vessels with rockfish as principle species.						
Number	145	97	44	55	59	80
C. Vessels with rockfish as principle species and Eureka as principle port area.						
Number	129	68	40	52	51	68
D. Number of processors and buyers receiving rockfish.						
Rockfish	30	37	29	46	32	35
All	66	82	82	87	56	75

Table 31. Vessels and processors active in the Ft. Bragg area, 1991-95.

	Year					
	1991	1992	1993	1994	1995	AVE
A. Number of vessels with landings of rockfish, groundfish and all species.						
Rockfish	244	93	111	105	72	125
Groundfish	247	111	123	122	110	143
Total	614	342	419	369	300	409
B. Vessels with rockfish as principle species.						
Number	24	44	15	31	9	25
C. Vessels with rockfish as principle species and Ft. Bragg as principle port area.						
Number	12	26	11	9	3	12
D. Number of processors and buyers receiving rockfish.						
Rockfish	21	24	20	35	15	23
All Processors	55	66	62	66	44	59

Table 32. Vessels and processors active in the Bodega Bay area, 1991-95.

	Year					
	1991	1992	1993	1994	1995	AVE
A. Number of vessels with landings of rockfish, groundfish and all species.						
Rockfish	230	215	152	161	110	174
Groundfish	243	226	162	174	125	186
Total	785	634	564	599	583	633
B. Vessels with rockfish as principle species.						
Number	51	75	64	60	49	60
C. Vessels with rockfish as principle species and Bodega Bay as principle port area.						
Number	25	36	50	29	25	33
D. Number of processors and buyers receiving rockfish.						
Rockfish	46	47	49	55	43	48
All	101	94	91	111	94	99

Table 33. Vessels and processors active in the San Francisco area, 1991-95.

	Year					
Species	1991	1992	1993	1994	1995	AVE
A. Number of vessels with landings of rockfish, groundfish and all species.						
Rockfish	441	448	370	267	252	356
Groundfish	466	480	398	288	289	384
Total	1197	1065	987	969	961	1036
B. Vessels with rockfish as principle species.						
Number	171	161	119	103	74	126
C. Vessels with rockfish as principle species and San Francisco as principle port area.						
Number	137	132	74	72	52	94
D. Number of processors and buyers receiving rockfish.						
Rockfish	109	104	100	104	90	101
All	196	212	215	245	207	215

Table 34. Vessels and processors active in the Monterey area, 1991-95.

	Year					
	1991	1992	1993	1994	1995	AVE
A. Number of vessels with landings of rockfish, groundfish and all species.						
Rockfish	290	420	250	216	214	278
Groundfish	310	435	267	233	232	295
Total	777	689	706	550	683	681
B. Vessels with rockfish as principle species.						
Number	118	153	105	86	71	107
C. Vessels with rockfish as principle species and Monterey as principle port area.						
Number	100	104	82	69	55	82
D. Number of processors and buyers receiving rockfish.						
Rockfish	69	83	56	61	51	63
All	142	138	119	132	124	131

Table 35. Vessels and processors active in the Morro Bay area, 1991-95.

	Year					
	1991	1992	1993	1994	1995	AVE
A. Number of vessels with landings of rockfish, groundfish and all species.						
Rockfish	385	388	372	364	374	377
Groundfish	393	396	373	371	380	383
Total	494	515	480	500	528	503
B. Vessels with rockfish as principle species.						
Number	222	241	212	241	207	225
C. Vessels with rockfish as principle species and Morro Bay as principle port area.						
Vessels	182	192	194	207	182	191
D. Number of processors and buyers receiving rockfish.						
Rockfish	28	53	47	56	30	43
All Processors	58	74	79	101	75	77

Table 36. Vessels and processors active in the Santa Barbara area, 1991-95.

	Year					
	1991	1992	1993	1994	1995	AVE
A. Number of vessels with landings of rockfish, groundfish and all species.						
Rockfish	187	174	169	199	209	188
Groundfish	193	179	174	219	225	190
Total	669	661	624	696	657	661
B. Vessels with rockfish as principle species.						
Number	95	82	82	88	77	85
C. Vessels with rockfish as principle species and Santa Barbara as principle port area.						
Number	80	63	63	54	40	60
D. Number of processors and buyers receiving rockfish.						
Rockfish	58	80	68	60	70	67
All Processors	173	169	154	163	180	168

Table 37. Vessels and processors active in the Los Angeles area, 1991-95.

	Year					
	1991	1992	1993	1994	1995	AVE
A. Number of vessels with landings of rockfish, groundfish and all species.						
Rockfish	172	182	161	170	157	168
Groundfish	191	200	166	186	170	183
Total	608	560	539	603	615	585
B. Vessels with rockfish as principle species.						
Vessels	80	71	62	73	49	67
C. Vessels with rockfish as principle species and Los Angeles as principle port area.						
Vessels	65	49	44	61	35	51
D. Number of processors and buyers receiving rockfish.						
Rockfish	67	74	67	66	70	69
All	186	179	162	170	171	174

Table 38. Vessels and processors active in the San Diego area, 1991-95.

	Year					
	1991	1992	1993	1994	1995	AVE
A. Number of vessels with landings of rockfish, groundfish and all species.						
Rockfish	114	113	93	102	92	103
Groundfish	115	114	96	105	98	106
Total	322	322	301	333	317	319
B. Vessels with rockfish as principle species.						
Number	55	48	34	43	32	42
C. Vessels with rockfish as principle species and San Diego as principle port area.						
Vessels	47	40	28	41	29	37
D. Number of processors and buyers receiving rockfish.						
Rockfish	39	41	32	53	38	41
All Processors	82	90	84	97	92	89

Table 39. Annual landings and average prices in rockfish market categories for the Eureka area, 1991-95.

Market Category	Year				
	1991	1992	1993	1994	1995
	Landings (MT)				
BANK	0	0	0	0.12	0
BLACK	118.13	70.08	24.73	86.74	93.09
BLACKGILL	0	1.17	0	0	0.07
BLUE	0.19	0.11	0.26	16.66	6.09
BOCACCIO	47.07	49.1	95.41	41.17	44.13
BOCACCIO/CHILI	0.63	0	0.23	0	0
BROWN	0.25	0.17	0.52	0.15	0.22
CA SCORPIONFISH	0	0	0	0.06	0
CANARY	11.46	20.68	13.71	42.26	85.88
CANARY/VERMILLION	0	0	0	0	0.1
CHILIPEPPER	3.42	4.12	20.16	13.32	15.2
CHINA	0.69	1.77	0.33	0.95	4.28
COPPER	8.07	8.32	1.84	2.94	12.7
COWCOD	0	0	0.02	0	0
GREENSPOTTED	1.31	0.32	0.44	0.11	0.3
GREENSTRIPED	0	0	0.24	0.59	5.36
GROUP BLUE/BLACK	0	0	0	3.57	0.01
GROUP BOLINA	0.87	0.9	0.08	0	0
GROUP DEEP REDS	0.11	0	0	0.96	0
GROUP GOPHER	0	0.14	0.01	0	0
GROUP RED	63.84	40.83	41.61	55.79	21.89
GROUP ROSEFISH	0.58	6.55	0.89	0	0
GROUP SMALL REDS	199.15	114.66	161.36	249.01	205.68
KELP	0.54	0	0	0	0
PINKROSE	0	0	0	0.02	0.26
QUILLBACK	0	0	0	0.87	3.02
REDBANDED	0.01	0.09	0.07	2.56	0.79
ROCKFISH	1027.45	856.26	723.91	463.63	459.24
ROSY	0.03	0	0	0	0
SHORTBELLY	0	0	0	0.13	0

Table 39. continued

SPLITNOSE	0	0.14	0	0	0.01
SQUARESPOT	0	0	0	0.3	0
STARRY	0.03	0.16	0	0	0
VERMILLION	0.18	0.3	0.09	1.09	2.41
WIDOW	529.87	580.69	858.46	615.87	736.00
YELLOWEYE	21.13	15.46	6.31	5.43	16.92
YELLOWTAIL	40.01	61.94	23.41	88.99	111.97
Total Landings	2075.02	1833.96	1974.09	1693.29	1825.62
	Exvessel Prices (1991 $/lb)				
BANK	NA[1]	NA	NA	$0.60	NA
BLACK	$0.37	$0.39	$0.42	$0.44	$0.47
BLACKGILL	NA	$0.36	NA	NA	$0.49
BLUE	$0.68	$0.75	$0.38	$0.44	$0.45
BOCACCIO	$0.33	$0.33	$0.34	$0.37	$0.41
BOCACCIO/CHILI	$0.32	NA	$0.31	NA	NA
BROWN	$0.68	$0.73	$0.46	$0.87	$0.82
CA SCORPIONFISH	NA	NA	NA	$0.95	NA
CANARY	$0.61	$0.63	$0.61	$0.69	$0.74
CANARY/VERMILLION	NA	NA	NA	NA	$0.84
CHILIPEPPER	$0.40	$0.37	$0.36	$0.37	$0.42
CHINA	$0.87	$0.65	$0.84	$1.09	$1.41
COPPER	$0.46	$0.57	$0.50	$0.77	$0.89
COWCOD	NA	NA	$0.91	NA	NA
GREENSPOTTED	$0.60	$0.68	$0.39	$0.64	$0.76
GREENSTRIPED	NA	NA	$0.21	$0.20	$0.21
GROUP BLUE/BLACK	NA	NA	NA	$0.41	$0.64
GROUP BOLINA	$0.67	$0.62	$0.75	NA	NA
GROUP DEEP REDS	$0.31	NA	NA	$0.60	NA
GROUP GOPHER	NA	$1.37	$0.58	NA	NA
GROUP RED	$0.66	$0.53	$0.58	$0.53	$0.67
GROUP ROSEFISH	$0.19	$0.40	$0.43	NA	NA
GROUP SMALL REDS	$0.32	$0.27	$0.27	$0.47	$0.47
KELP	$0.74	NA	NA	NA	NA

Table 39. continued

PINKROSE	NA	NA	NA	$0.56	$0.70
QUILLBACK	NA	NA	NA	$0.93	$1.43
REDBANDED	$0.53	$0.60	$0.37	$0.64	$0.54
ROCKFISH	$0.39	$0.36	$0.38	$0.40	$0.42
ROSY	$0.34	NA	NA	NA	NA
SHORTBELLY	NA	NA	NA	$0.21	NA
SPLITNOSE	NA	$0.24	NA	NA	$1.29
SQUARESPOT	NA	NA	NA	$0.85	NA
STARRY	$0.34	$1.06	NA	NA	NA
VERMILLION	$0.81	$0.59	$0.77	$0.73	$0.75
WIDOW	$0.29	$0.31	$0.29	$0.36	$0.38
YELLOWEYE	$0.83	$0.80	$0.77	$0.89	$1.26
YELLOWTAIL	$0.40	$0.35	$0.36	$0.41	$0.45

[1]NA denotes no landings in that market category for the particular year.

Table 40. Annual landings and average prices in rockfish market categories for the Ft. Bragg area, 1991-95.

Market Category	Year				
	1991	1992	1993	1994	1995
	Landings (MT)				
AURORA	0.00	0.00	0.00	0.00	1.79
BLACK	0.00	0.08	0.28	3.15	1.32
BLACK-AND-YELLOW	0.02	0.00	0.00	0.00	0.00
BLUE	0.30	0.00	0.20	4.30	2.47
BOCACCIO	147.01	45.29	35.39	50.32	82.82
BROWN	0.00	0.41	0.00	0.00	0.04
CHILIPEPPER	0.05	1.35	0.00	5.83	0.20
CHINA	0.80	1.47	1.48	4.64	1.05
COPPER	7.67	5.80	1.85	8.34	3.19
COWCOD	0.00	0.00	0.00	0.00	0.00
GOPHER	0.00	0.00	0.00	0.07	0.00
GREENSPOTTED	0.00	12.97	3.55	7.09	5.05
GROUP BOLINA	0.21	1.01	0.01	0.26	0.00
GROUP GOPHER	0.07	0.01	0.11	0.52	0.00
GROUP RED	327.24	142.12	26.57	6.76	2.61
GROUP ROSEFISH	33.62	16.10	16.57	13.12	8.62
GROUP SMALL REDS	22.15	11.26	42.47	130.97	85.90
GRP BOCACCIO/CHILI	1.37	0.00	0.48	0.00	0.00
KELP	0.00	0.00	0.00	0.07	0.00
CANARY	16.03	26.22	19.27	29.99	33.19
PINKROSE	2.61	0.58	1.14	2.99	3.01
QUILLBACK	0.00	0.00	0.00	0.11	0.46
REDBANDED	0.00	0.00	0.00	0.19	0.11
ROCKFISH	778.95	466.06	406.20	597.54	749.96
ROSETHORN	0.00	0.27	0.11	0.07	0.68
ROSY	0.00	0.00	0.00	0.20	0.00
SHORTBELLY	0.00	0.00	0.00	2.31	0.00
SPLITNOSE	0.55	0.74	0.00	0.00	0.00
STARRY	0.25	0.00	0.00	0.00	0.00
VERMILLION	0.54	0.34	0.14	2.01	0.78
WIDOW	152.66	80.25	27.38	80.57	237.75

Table 40. continued

YELLOWEYE	9.80	6.73	8.49	11.81	11.18
YELLOWTAIL	1.23	0.92	6.70	25.83	24.67
Total Landings	1503.13	819.96	598.40	989.05	1256.83
			Exvessel Prices (1991 $/lb)		
AURORA	NA[1]	NA	NA	NA	$0.90
BLACK	NA	$0.41	$0.28	$0.35	$0.51
BLACK-AND-YELLOW	$0.83	NA	NA	NA	NA
BLUE	$0.50	NA	$0.47	$0.41	$0.46
BOCACCIO	$0.32	$0.31	$0.33	$0.37	$0.40
BROWN	NA	$0.68	NA	NA	$0.29
CHILIPEPPER	$0.31	$0.52	NA	$0.39	$0.45
CHINA	$1.02	$1.05	$1.08	$1.13	$1.28
COPPER	$0.56	$0.45	$0.50	$0.85	$0.87
COWCOD	NA	NA	NA	NA	$0.82
GOPHER	NA	NA	NA	$1.69	NA
GREENSPOTTED	NA	$0.49	$0.67	$0.79	$0.65
GROUP BOLINA	$0.85	$0.74	$0.73	$1.59	NA
GROUP GOPHER	$0.61	$0.46	$0.88	$1.76	NA
GROUP RED	$0.57	$0.58	$0.49	$0.64	$0.50
GROUP ROSEFISH	$0.35	$0.31	$0.28	$0.24	$0.24
GROUP SMALL REDS	$0.36	$0.35	$0.29	$0.32	$0.27
GRP BOCACCIO/CHILI	$0.30	NA	$0.29	NA	NA
KELP	NA	NA	NA	$0.46	NA
CANARY	$0.60	$0.58	$0.47	$0.61	$0.65
PINKROSE	$0.43	$0.36	$0.34	$0.46	$0.44
QUILLBACK	NA	NA	NA	$1.25	$1.03
REDBANDED	NA	NA	NA	$0.14	$0.49
ROCKFISH	$0.35	$0.36	$0.35	$0.38	$0.40
ROSETHORN	NA	$0.36	$0.35	$0.46	$0.45
ROSY	NA	NA	NA	$0.24	NA
STARRY	$0.43	NA	NA	NA	NA
VERMILLION	$0.70	$0.46	$0.66	$0.84	$0.65

Table 40. continued

WIDOW	$0.29	$0.30	$0.31	$0.34	$0.35
YELLOWEYE	$0.67	$0.73	$0.93	$1.06	$0.88
YELLOWTAIL	$0.63	$0.44	$0.26	$0.40	$0.42

[1]NA denotes no landings in that market category for the particular year.

Table 41. Annual landings and average prices in rockfish market categories for the Bodega Bay area, 1991-95.

Market Category	Year				
	1991	1992	1993	1994	1995
	Landings (MT)				
BANK	0.00	0.05	5.04	0.00	0.00
BLACK	0.71	3.78	2.16	7.46	1.84
BLACKGILL	0.00	0.97	0.97	8.91	1.70
BLUE	0.52	0.00	0.00	0.23	0.90
BOCACCIO	50.52	63.33	163.70	81.30	53.44
BROWN	0.01	0.57	0.99	0.32	0.17
CA SCORPIONFISH	0.00	0.00	0.00	0.00	0.00
CHAMELEON	0.00	0.00	0.00	0.00	0.00
CHILIPEPPER	17.45	267.65	183.21	156.80	66.11
CHINA	0.00	0.06	0.09	11.13	11.90
COPPER	0.30	0.85	0.40	4.76	5.23
COWCOD	0.02	0.01	0.12	0.00	0.00
GOPHER	0.00	0.00	0.00	0.16	0.85
GREENSPOTTED	0.00	0.00	0.00	0.72	0.00
GREENSTRIPED	0.00	0.02	0.00	0.00	0.17
GROUP BOLINA	24.89	28.52	8.09	4.86	3.70
GROUP GOPHER	3.34	2.80	0.93	2.40	4.40
GROUP RED	70.67	42.95	23.99	22.81	10.46
GROUP ROSEFISH	15.31	9.76	7.54	1.45	0.00
GROUP SMALL REDS	30.73	18.90	19.02	12.77	24.18
GRP BOCACCIO/CHILI	1.81	4.08	0.75	0.00	0.00
KELP	0.00	0.00	0.00	0.26	0.03
CANARY	0.00	0.03	0.45	3.33	2.94
PINKROSE	0.00	0.00	0.00	0.21	0.00
REDBANDED	0.00	0.32	0.00	0.00	0.00
ROCKFISH	492.48	509.40	536.82	191.63	134.94
SPLITNOSE	2.85	0.00	0.00	0.00	0.00
VERMILLION	0.00	0.00	0.00	1.03	0.03
WHITEBELLY	0.41	0.07	0.00	0.00	0.00
WIDOW	110.70	140.15	90.30	55.07	227.06

Table 41. Continued					
YELLOWEYE	0.25	0.07	0.44	0.57	0.02
YELLOWTAIL	2.01	5.11	7.14	6.94	8.69
Grand Total	824.97	1099.44	1052.15	575.11	558.76
	Exvessel Prices (1991 $/lb)				
BANK	NA[1]	$0.44	$0.36	NA	NA
BLACK	$0.36	$0.21	$0.36	$0.28	$0.40
BLACKGILL	NA	$0.44	$0.31	$0.45	$0.48
BLUE	$0.25	NA	$0.58	$0.81	$0.77
BOCACCIO	$0.43	$0.37	$0.87	$0.49	$0.39
BROWN	$0.29	$0.46	$0.42	$1.17	$1.54
CA SCORPIONFISH	NA	NA	NA	NA	NA
CHAMELEON	NA	$0.35	NA	NA	NA
CHILIPEPPER	$0.44	$0.34	$0.41	$0.42	$0.41
CHINA	$0.59	$0.53	$2.60	$1.73	$2.22
COPPER	$0.58	$0.47	$0.68	$1.92	$1.94
COWCOD	$0.46	$0.81	$0.43	NA	NA
GOPHER	NA	NA	NA	$2.04	$1.33
GREENSPOTTED	NA	NA	NA	$1.21	NA
GREENSTRIPED	NA	$0.42	NA	NA	$0.36
GROUP BOLINA	$0.95	$0.87	$0.86	$2.63	$1.59
GROUP GOPHER	$0.73	$1.05	$0.71	$2.50	$2.12
GROUP RED	$0.51	$0.48	$0.53	$0.70	$0.67
GROUP ROSEFISH	$0.49	$0.35	$0.35	$0.24	NA
GROUP SMALL REDS	$0.30	$0.26	$0.23	$0.31	$0.37
GRP BOCACCIO/CHILI	$0.43	$0.31	$0.62	NA	NA
KELP	NA	NA	NA	$0.52	$0.76
CANARY	$0.45	$0.57	$0.71	$0.81	$0.54
PINKROSE	NA	NA	NA	$0.46	NA
REDBANDED	NA	$0.60	NA	NA	NA
ROCKFISH	$0.43	$0.41	$0.55	$0.56	$3.15
SPLITNOSE	$0.28	NA	NA	NA	NA
VERMILLION	NA	$0.27	$0.80	$0.86	$0.49

Table 41. Continued

WHITEBELLY	$0.45	$0.45	NA	NA	NA
WIDOW	$0.38	$0.35	$0.33	$0.42	$0.36
YELLOWEYE	$0.65	$0.81	$0.47	$1.07	$0.69
YELLOWTAIL	$0.38	$0.29	$0.41	$0.44	$0.39

[1]NA denotes no landings in that market category for the particular year.

Table 42. Annual landings and average prices in rockfish market categories for the San Francisco area, 1991-95.

Market Category	Year				
	1991	1992	1993	1994	1995
	Landings (MT)				
BANK	39.01	2.40	12.75	10.26	23.56
BLACK	4.74	6.65	9.99	11.14	7.94
BLACK-AND-YELLOW	0.00	0.00	0.04	0.00	0.00
BLACKGILL	0.40	8.63	20.71	13.04	10.74
BLUE	0.64	2.68	1.83	2.09	2.69
BOCACCIO	317.46	243.45	157.19	89.63	87.56
BROWN	0.00	0.09	0.00	2.55	0.61
CA SCORPIONFISH	0.01	0.01	0.01	0.00	0.00
CHILIPEPPER	658.06	857.50	409.94	398.71	398.98
CHINA	5.05	1.38	2.56	7.83	4.36
COPPER	0.31	1.52	1.43	6.37	10.34
COWCOD	0.76	0.16	0.69	0.02	0.32
FLAG	0.00	0.00	0.06	0.00	0.00
GOPHER	0.00	0.00	0.00	0.30	0.34
GRASS	0.00	0.09	0.00	0.03	0.04
GREENSPOTTED	0.00	0.12	0.14	3.30	1.57
GREENSTRIPED	0.00	0.00	0.05	0.00	0.08
GROUP BLUE/BLACK	0.00	0.00	0.00	1.10	0.16
GROUP BOLINA	49.35	26.13	27.22	17.30	14.33
GROUP DEEP REDS	0.00	0.00	0.00	0.00	0.00
GROUP GOPHER	3.18	2.72	6.91	6.52	5.02
GROUP RED	189.89	163.06	125.07	103.34	61.16
GROUP ROSEFISH	120.67	149.65	74.12	41.16	35.09
GROUP SMALL REDS	27.93	13.69	36.41	39.87	20.77
GRP BOCACCIO/CHILI	0.18	0.02	3.87	0.00	0.00
GRP CANARY/VERMILLION	0.00	0.00	0.00	0.07	0.00
KELP	0.00	0.00	0.01	0.03	0.03
CANARY	0.00	1.94	5.08	16.84	23.68
OLIVE	0.00	0.00	0.00	0.03	0.09
PINKROSE	0.00	0.00	0.00	1.03	0.46
QUILLBACK	0.00	0.00	0.00	0.28	1.16

Table 42. continued

ROCKFISH	694.44	429.43	300.02	132.74	161.20
ROSY	0.00	0.00	0.00	0.00	0.05
SHORTBELLY	0.00	0.00	0.00	0.00	3.74
SPLITNOSE	0.00	0.00	0.38	0.00	0.00
SQUARESPOT	0.00	0.00	0.00	0.34	0.04
STARRY	0.00	2.49	0.95	0.69	0.00
VERMILLION	0.00	0.26	0.03	12.06	12.38
WHITEBELLY	0.00	0.09	0.00	0.00	0.00
WIDOW	307.92	249.21	98.57	69.77	246.29
YELLOWEYE	6.86	4.78	2.25	6.40	0.91
YELLOWTAIL	72.09	123.86	71.88	88.30	61.92
Total Landings	2498.93	2292.02	1370.11	1083.14	1197.58
		Exvessel Prices (1991 $/lb)			
BANK	$0.36	$0.33	$0.33	$0.43	$0.38
BLACK	$0.54	$0.55	$0.54	$0.43	$0.48
BLACK-AND-YELLOW	NA	NA	$0.48	$0.33	NA
BLACKGILL	$0.38	$0.43	$0.69	$0.49	$0.39
BLUE	$0.63	$0.45	$0.47	$0.62	$0.52
BOCACCIO	$0.35	$0.39	$0.38	$0.38	$0.40
BROWN	$0.51	$1.37	$0.27	$0.95	$2.02
CA SCORPIONFISH	$4.86	$0.40	$3.87	NA	NA
CHILIPEPPER	$0.37	$0.35	$0.37	$0.38	$0.41
CHINA	NA	$1.31	$1.33	$1.24	$1.60
COPPER	$1.10	$0.71	$0.62	$1.53	$2.02
COWCOD	$0.73	$0.52	$0.32	$0.45	$0.36
FLAG	NA	$0.84	$0.72	NA	NA
GOPHER	NA	$0.99	$2.13	$0.92	$2.64
GRASS	NA	$1.45	$3.48	$3.13	$2.70
GREENSPOTTED	NA	$0.48	$0.67	$0.95	$0.59
GREENSTRIPED	NA	NA	$0.38	NA	$0.24
GROUP BLUE/BLACK	NA	NA	NA	$0.79	$1.00
GROUP BOLINA	$1.15	$1.10	$1.55	$1.45	$1.78
GROUP DEEP REDS	NA	NA	NA	NA	NA

Table 42. continued

GROUP GOPHER	$0.74	$1.79	$1.60	$1.47	$1.99
GROUP RED	$0.56	$0.62	$0.73	$0.59	$0.70
GROUP ROSEFISH	$0.33	$0.32	$0.35	$0.40	$0.32
GROUP SMALL REDS	NA	$0.28	$0.36	$0.35	$0.39
GRP BOCACCIO/CHILI	NA	$0.32	$0.28	NA	NA
GRP CANARY/VERMILLION	NA	NA	NA	$0.73	NA
KELP	NA	NA	$1.00	$0.59	$0.63
CANARY	NA	NA	$0.56	$0.80	$0.77
OLIVE	$0.74	NA	NA	$0.46	$0.63
PINKROSE	NA	NA	NA	$0.42	$0.61
QUILLBACK	NA	NA	NA	$2.22	$2.25
ROCKFISH	$0.72	$0.53	$0.62	$0.48	$0.65
ROSY	NA	NA	NA	NA	$0.50
SHORTBELLY	NA	NA	NA	NA	$0.09
SPLITNOSE	NA	NA	$0.28	NA	NA
SQUARESPOT	NA	NA	NA	$0.74	$0.36
STARRY	NA	$0.81	$0.83	$0.53	NA
VERMILLION	NA	$0.64	$0.67	$0.78	$0.76
WHITEBELLY	NA	$0.79	NA	NA	NA
WIDOW	$0.33	$0.34	$0.37	$0.35	$0.41
YELLOWEYE	$0.78	$0.68	$0.98	$0.92	$0.83
YELLOWTAIL	$0.34	$0.43	$0.43	$0.40	$0.42

[1]NA denotes no landings in that market category for the particular year.

Table 43. Annual landings and average prices in rockfish market categories for the Monterey area, 1991-95.

Market Category	Year 1991	1992	1993	1994	1995
	Landings (MT)				
BANK	2.25	9.91	26.32	10.01	11.93
BLACK	0.03	6.59	0.39	2.96	1.62
BLACKGILL	0.00	0.14	1.83	1.12	6.97
BLUE	2.79	3.61	2.85	9.13	5.02
BOCACCIO	187.15	263.11	196.69	155.56	153.13
BRONZESPOTTED	0.00	0.01	0.00	0.03	0.00
BROWN	0.68	2.69	2.25	1.07	0.00
CHILIPEPPER	56.70	286.77	226.97	361.07	568.01
CHINA	0.01	0.01	0.07	3.52	3.07
COPPER	0.02	0.13	0.00	1.61	4.15
COWCOD	0.05	0.11	0.12	1.93	0.56
GOPHER	0.00	0.30	0.05	0.90	0.05
GRASS	0.01	1.57	0.00	0.09	0.23
GREENSPOTTED	0.00	0.02	0.00	0.17	0.06
GREENSTRIPED	0.00	0.00	0.11	0.03	0.12
GROUP BOLINA	6.83	0.80	1.00	0.61	0.91
GROUP DEEP REDS	0.01	0.48	0.23	0.04	16.59
GROUP GOPHER	20.75	12.24	17.28	19.34	13.86
GROUP RED	53.00	42.13	53.86	43.94	46.11
GROUP ROSEFISH	133.07	131.15	137.85	67.69	156.46
GROUP SMALL REDS	49.57	17.04	50.73	13.72	52.60
GRP BOCACCIO/CHILI	1.46	0.02	0.45	0.00	0.00
HONEYCOMB	0.00	0.00	0.01	0.00	0.00
KELP	0.02	0.00	0.00	0.09	0.13
CANARY	0.00	0.03	0.08	0.41	6.80
OLIVE	0.00	0.00	0.00	0.00	0.05
PINKROSE	0.00	0.00	0.00	0.03	0.23
QUILLBACK	0.00	0.00	0.00	0.00	0.55
ROCKFISH	690.88	436.53	363.71	73.61	51.60
SHORTBELLY	0.00	0.18	0.00	0.37	1.98
SPLITNOSE	0.00	0.00	4.89	0.00	0.00

Table 43. continued					
STARRY	0.00	0.03	0.00	0.00	0.00
VERMILLION	0.00	0.02	0.76	4.90	4.86
WIDOW	35.37	29.78	85.96	63.01	187.72
YELLOWEYE	0.34	0.71	0.16	0.52	1.12
YELLOWTAIL	2.60	2.31	3.19	24.94	24.59
Total Landings	1243.60	1248.40	1177.81	862.39	1321.05
			Exvessel Prices (1991 $/lb)		
BANK	$0.40	$0.32	$0.42	$0.39	$0.39
BLACK	$0.42	$0.58	$0.38	$0.38	$0.46
BLACKGILL	NA[1]	$0.39	$0.32	$0.51	$0.52
BLUE	$0.44	$0.38	$0.36	$0.51	$0.45
BOCACCIO	$0.35	$0.37	$0.42	$0.42	$0.42
BRONZESPOTTED	NA	$0.19	NA	$0.28	NA
BROWN	$0.31	$0.34	$0.37	$0.36	NA
CHILIPEPPER	$0.35	$0.34	$0.39	$0.40	$0.44
CHINA	$1.05	$0.64	$0.86	$1.39	$1.37
COPPER	$0.70	$0.42	$0.85	$1.55	$1.02
COWCOD	$0.60	$0.47	$0.79	$0.48	$0.77
GOPHER	NA	$1.21	$1.42	$1.10	$0.55
GRASS	$1.02	$0.24	NA	$0.94	$2.57
GREENSPOTTED	NA	$0.30	NA	$2.41	$0.64
GREENSTRIPED	NA	NA	$0.45	$0.37	$0.40
GROUP BOLINA	$0.91	$1.01	$0.82	$1.37	$1.04
GROUP DEEP REDS	$0.40	$0.53	$0.28	$0.42	$0.42
GROUP GOPHER	$1.43	$1.31	$1.13	$1.29	$1.41
GROUP RED	$0.69	$0.72	$0.69	$0.60	$0.78
GROUP ROSEFISH	$0.23	$0.27	$0.29	$0.25	$0.53
GROUP SMALL REDS	$0.27	$0.24	$0.32	$0.35	$0.38
GRP BOCACCIO/CHILI	$0.36	$0.38	$0.38	NA	NA
HONEYCOMB	NA	NA	$0.34	NA	NA
KELP	$0.31	NA	NA	$0.79	$0.55
CANARY	NA	$0.39	$0.94	$0.73	$0.77
OLIVE	NA	NA	NA	NA	$0.38

Table 43. continued

PINKROSE	NA	NA	NA	$0.66	$0.41
QUILLBACK	NA	NA	NA	NA	$0.27
ROCKFISH	$0.41	$0.40	$0.45	$0.50	$0.51
SHORTBELLY	NA	$0.30	NA	$0.24	$0.24
SPLITNOSE	NA	NA	$0.24	NA	NA
STARRY	NA	$0.31	NA	NA	NA
VERMILLION	NA	$0.31	$0.89	$0.75	$0.95
WIDOW	$0.33	$0.36	$0.36	$0.48	$0.38
YELLOWEYE	$0.96	$1.07	$0.75	$0.95	$0.76
YELLOWTAIL	$0.40	$0.46	$0.40	$0.46	$0.53

[1]NA denotes no landings in that market category for the particular year.

Table 44. Annual landings and average prices in rockfish market categories for the Morro Bay area, 1991-95.

Market Category	Year				
	1991	1992	1993	1994	1995
	Landings (MT)				
BANK	0.22	0.19	0.94	4.61	5.38
BLACK	0.01	0.16	1.43	0.60	0.78
BLACKGILL	55.55	33.39	42.84	26.68	20.30
BLUE	3.40	1.35	4.13	0.59	0.85
BOCACCIO	154.67	237.57	154.73	239.19	147.59
BRONZESPOTTED	0.00	0.00	0.01	0.00	0.00
BROWN	0.00	0.91	0.00	0.09	0.00
CA SCORPIONFISH	0.02	0.04	0.23	0.98	0.01
CHILIPEPPER	78.66	43.93	31.16	191.90	123.38
CHINA	0.19	0.73	0.33	1.04	1.37
COPPER	0.00	0.01	1.24	3.76	2.22
COWCOD	0.33	1.11	2.28	1.08	2.88
FLAG	0.00	0.00	0.00	0.00	0.01
GOPHER	0.00	0.91	0.09	1.72	4.28
GRASS	1.65	3.35	9.47	20.57	32.05
GREENSPOTTED	0.00	0.00	0.10	0.28	0.00
GREENSTRIPED	0.00	0.00	0.00	0.55	0.02
GROUP BOLINA	5.61	11.04	7.85	6.14	4.56
GROUP GOPHER	43.55	44.71	35.15	34.49	51.43
GROUP RED	141.30	134.65	132.81	104.75	59.42
GROUP ROSEFISH	99.44	70.77	98.44	123.50	92.49
GROUP SMALL REDS	36.05	47.67	37.76	39.79	16.82
GRP BOCACCIO/CHILI	1.94	0.00	1.15	0.00	0.00
KELP	0.00	0.03	2.55	2.49	2.07
CANARY	0.00	0.00	0.00	0.55	0.36
OLIVE	0.00	0.27	0.21	0.03	0.10
ROCKFISH	584.77	567.36	449.57	313.84	221.27
ROSY	0.00	0.13	0.00	0.00	0.00
SPECKLED	0.00	0.00	0.00	0.01	0.01
SPLITNOSE	47.09	8.62	2.72	1.79	0.00
STARRY	0.04	0.10	0.00	0.00	0.00

Table 44. continued

TREEFISH	0.00	0.01	0.01	0.04	0.09
VERMILLION	0.00	0.01	0.00	0.00	0.09
WHITEBELLY	1.21	0.74	0.00	0.00	0.00
WIDOW	4.42	0.56	2.54	27.60	52.06
YELLOWEYE	0.00	0.00	0.00	0.00	0.02
YELLOWTAIL	0.02	0.38	0.18	6.41	4.69
Total Landings	1,260.15	1,210.69	1,019.92	1,155.08	846.58
		Exvessel Prices (1991 $/lb)			
BANK	$0.35	$0.43	$0.43	$0.43	$0.45
BLACK	$0.40	$0.38	$0.41	$0.56	$0.41
BLACKGILL	$0.46	$0.69	$0.45	$0.48	$0.49
BLUE	$0.29	$0.36	$0.63	$0.43	$0.45
BOCACCIO	$0.35	$0.35	$0.75	$0.38	$0.40
BRONZESPOTTED	$0.27	NA[1]	$0.33	NA	NA
BROWN	$0.68	$0.54	NA	$0.43	$2.05
CA SCORPIONFISH	$0.61	$1.61	$1.90	NA	NA
CHILIPEPPER	$0.41	$0.41	$0.44	$0.46	$1.37
CHINA	$2.14	$1.55	$1.86	$1.90	$2.12
COPPER	NA	$0.97	$0.77	$1.27	NA
COWCOD	$0.75	$0.73	$0.96	$1.34	$1.02
FLAG	NA	NA	NA	$0.72	$0.41
GOPHER	$0.85	$1.94	$2.35	$2.08	$4.25
GRASS	$1.02	NA	$2.48	$4.06	$3.99
GREENSPOTTED	NA	NA	$1.14	$0.99	NA
GREENSTRIPED	NA	NA	NA	$0.28	$0.52
GROUP BOLINA	$0.97	$1.15	$0.87	$1.18	NA
GROUP GOPHER	$1.07	$1.64	$1.48	$1.29	$2.04
GROUP RED	$1.01	$0.95	$1.04	$1.03	$1.02
GROUP ROSEFISH	$0.24	$0.20	$0.47	NA	$0.80
GROUP SMALL REDS	$0.40	$0.28	$0.70	$0.99	$0.56
GRP BOCACCIO/CHILI	$0.34	NA	$0.41	NA	NA
KELP	NA	$0.51	$0.95	$1.56	$0.94
CANARY	$0.51	NA	$0.64	$1.09	NA

Table 44. continued

OLIVE	NA	$0.58	$0.58	$0.68	$0.38
ROCKFISH	$0.76	$0.65	$0.75	$0.59	$0.68
ROSY	NA	$0.24	NA	NA	NA
SPECKLED	NA	NA	NA	$0.72	$0.82
SPLITNOSE	$0.28	$0.25	$0.24	$0.23	NA
STARRY	$0.45	$0.98	NA	$0.53	$0.21
TREEFISH	NA	$2.51	$2.64	$3.29	$5.88
VERMILLION	NA	$0.64	NA	$1.18	NA
WHITEBELLY	$0.75	$0.62	NA	NA	NA
WIDOW	$0.49	$0.53	$0.40	$0.49	$0.41
YELLOWEYE	NA	NA	$0.38	NA	$2.69
YELLOWTAIL	$0.69	$0.39	$0.48	NA	$0.50

[1]NA denotes no landings in that market category for the particular year.

Table 45. Annual landings and average prices in rockfish market categories for the Santa Barbara area, 1991-95.

Market Category	Year				
	1991	1992	1993	1994	1995
	Landings (MT)				
AURORA	0.00	0.00	0.15	0.00	0.00
BANK	0.00	0.00	0.00	0.00	6.88
BLACK	0.04	0.00	0.00	0.05	0.04
BLACKGILL	122.26	160.13	121.77	62.06	43.22
BLUE	0.02	0.17	0.93	0.09	0.09
BOCACCIO	44.22	249.34	206.43	95.94	88.49
BRONZESPOTTED	0.00	0.00	0.00	0.00	0.28
BROWN	0.00	0.09	0.00	0.00	0.21
CA SCORPIONFISH	1.30	5.95	5.22	5.52	3.11
CHILIPEPPER	40.31	15.78	2.78	2.00	4.38
CHINA	1.41	0.00	0.00	0.18	0.00
COPPER	0.06	0.35	1.92	6.43	4.55
COWCOD	2.21	1.33	4.00	4.48	11.59
FLAG	0.00	0.00	0.82	0.08	0.45
GOPHER	0.00	0.01	0.02	7.48	1.50
GRASS	0.00	0.10	0.16	11.99	17.00
GREENSPOTTED	0.00	0.00	0.00	0.00	0.00
GREENSTRIPED	0.47	0.75	0.35	0.25	0.01
GROUP BOLINA	2.54	1.25	1.28	2.28	0.07
GROUP DEEP REDS	0.00	0.00	0.00	0.08	0.00
GROUP GOPHER	0.05	0.24	0.31	0.64	0.78
GROUP RED	117.11	104.90	102.63	207.06	195.49
GROUP ROSEFISH	0.12	0.00	0.00	0.00	0.00
GROUP SMALL REDS	0.05	0.02	1.24	0.80	1.51
GRP BOCACCIO/CHILI	1.07	0.72	0.09	0.00	0.00
KELP	0.00	0.00	0.02	0.08	0.14
PINKROSE	0.00	0.01	0.01	0.10	0.00
REDBANDED	0.00	0.00	0.02	0.03	0.03
ROCKFISH	518.88	384.47	301.66	93.48	85.94
ROSETHORN	0.00	0.00	0.00	0.03	0.00
SPLITNOSE	0.06	0.00	0.00	0.04	0.00

Table 45. continued

STARRY	3.86	1.57	2.69	1.23	1.12
TREEFISH	0.00	0.00	0.00	0.01	0.01
VERMILLION	0.01	0.00	0.00	0.20	0.16
WHITEBELLY	2.81	1.90	0.00	0.00	0.00
WIDOW	5.81	1.48	1.23	6.29	1.90
YELLOWEYE	0.74	0.26	0.00	0.07	0.10
YELLOWTAIL	10.24	0.00	2.53	2.75	1.39
Grand Total	875.63	930.81	758.25	511.73	470.45
		Exvessel Prices (1991 $/lb)			
AURORA	NA[1]	NA	$1.37	NA	NA
BANK	NA	NA	NA	NA	$0.37
BLACK	$0.50	NA	NA	$1.08	$1.37
BLACKGILL	$0.60	$0.60	$0.59	$0.54	$0.67
BLUE	$0.49	$0.45	$0.72	$0.94	$0.36
BOCACCIO	$0.42	$0.40	$0.37	$0.37	$0.48
BRONZESPOTTED	NA	NA	NA	NA	$0.91
BROWN	NA	$0.94	NA	NA	$0.91
CA SCORPIONFISH	$0.77	$1.03	$1.50	$1.63	$1.49
CHILIPEPPER	$0.41	$0.39	$0.47	$0.34	$0.46
CHINA	$1.60	NA	NA	$1.96	NA
COPPER	$1.49	$1.18	$0.95	$1.48	$1.24
COWCOD	$1.05	$1.00	$0.96	$1.03	$0.76
FLAG	NA	NA	$2.13	$1.26	$0.81
GOPHER	NA	$1.65	$1.56	$1.66	$2.20
GRASS	NA	$3.41	$3.52	$4.17	$4.45
GREENSPOTTED	NA	NA	NA	$3.79	NA
GREENSTRIPED	$0.50	$0.44	$0.55	$0.73	$0.88
GROUP BOLINA	$1.36	$1.32	$1.22	$1.22	$0.94
GROUP DEEP REDS	NA	NA	NA	$1.21	NA
GROUP GOPHER	$1.24	$1.01	$1.17	$0.98	$1.86
GROUP RED	$1.22	$1.23	NA	$0.77	$0.98
GROUP ROSEFISH	$0.56	NA	NA	NA	NA
GROUP SMALL REDS	$1.73	$0.71	$0.32	$1.15	$0.53

Table 45. continued

GRP BOCACCIO/CHILI	$0.54	$0.39	$0.24	NA	NA
KELP	NA	NA	$1.25	$1.32	$1.61
PINKROSE	NA	$0.57	$0.56	$0.68	NA
REDBANDED	NA	NA	$0.95	$0.93	$1.06
ROCKFISH	$0.71	$0.68	$0.75	$0.90	$1.01
ROSETHORN	NA	NA	NA	$0.29	NA
SPLITNOSE	$0.75	NA	NA	$0.92	NA
STARRY	$1.67	$1.50	$1.51	$1.58	$1.05
TREEFISH	NA	NA	NA	$2.79	$4.72
VERMILLION	$0.59	NA	NA	$1.47	$1.30
WHITEBELLY	$0.88	$0.80	NA	NA	NA
WIDOW	$0.36	$0.36	$0.26	$0.28	NA
YELLOWEYE	$1.55	$1.29	NA	$1.52	$1.09
YELLOWTAIL	$0.43	NA	$0.26	$0.29	$0.36

[1]NA denotes no landings in that market category for the particular year.

Table 46. Annual landings and average prices in rockfish market categories for the Los Angeles area, 1991-95.

Market Category	Year 1991	1992	1993	1994
	Landings (MT)			
BLACK	0.17	0.47	0.36	0.00
BLACKGILL	77.84	50.24	20.44	92.68
BLUE	0.19	0.02	0.45	0.00
BOCACCIO	13.49	132.88	116.95	58.29
BROWN	0.00	0.00	0.03	0.00
CA SCORPIONFISH	22.84	22.77	16.35	25.68
CHILIPEPPER	7.42	13.47	2.08	1.44
CHINA	0.00	0.00	0.00	0.00
COPPER	0.00	0.00	0.67	0.33
COWCOD	1.98	3.96	3.96	6.43
GOPHER	0.00	0.00	0.00	3.01
GRASS	0.00	0.00	0.47	0.00
GROUP BOLINA	0.26	0.14	0.14	0.43
GROUP RED	54.25	59.34	37.03	41.92
GROUP ROSEFISH	0.00	0.06	0.00	0.03
GROUP SMALL REDS	0.05	0.02	0.00	1.90
CANARY	0.00	0.00	0.03	0.00
OLIVE	0.06	0.01	0.01	0.00
ROCKFISH	187.60	52.67	47.01	46.19
ROSY	0.00	0.00	0.00	0.01
SPLITNOSE	0.02	0.01	0.00	0.00
STARRY	10.98	9.89	8.25	7.25
TREEFISH	0.00	0.00	0.00	0.01
VERMILLION	0.00	0.00	0.00	0.00
WHITEBELLY	0.03	0.01	0.00	0.00
WIDOW	0.00	0.01	0.00	0.09
YELLOWTAIL	2.40	0.00	0.32	0.00
GRP BOCACCIO/CHILIPEPPER	0.77	0.00	0.00	0.00
Total Landings	380.35	345.97	254.53	285.67
	Exvessel prices (1991 $/lb)			
BLACK	$0.70	$1.14	$1.48	NA[1]

Table 46. continued

BLACKGILL	$0.63	$0.51	$0.73	$0.63
BLUE	$0.65	$0.39	$1.30	NA
BOCACCIO	$0.58	$0.45	$0.49	$0.59
BROWN	$1.51	NA	$0.24	NA
CA SCORPIONFISH	$1.40	$1.50	$1.76	$1.41
CHILIPEPPER	$0.51	$0.43	$0.94	$0.80
CHINA	NA	$1.22	NA	NA
COPPER	NA	NA	$0.98	$0.93
COWCOD	$1.57	$0.98	$1.33	$1.29
GOPHER	NA	NA	NA	$0.51
GRASS	NA	NA	$2.59	NA
GROUP BOLINA	$1.29	$0.85	$1.00	$0.73
GROUP RED	$1.27	$1.13	$1.23	$1.18
GROUP ROSEFISH	NA	$0.68	NA	$1.16
GROUP SMALL REDS	$0.27	$0.78	NA	$0.91
CANARY	NA	NA	$1.42	NA
OLIVE	$0.47	$1.94	$1.90	NA
ROCKFISH	$1.02	$1.00	$1.33	$0.82
ROSY	NA	NA	NA	$0.70
SPLITNOSE	$0.65	$0.49	NA	NA
STARRY	$1.57	$1.51	$1.54	$1.20
TREEFISH	NA	NA	NA	$0.56
VERMILLION	NA	NA	NA	NA
WHITEBELLY	$0.90	$0.73	NA	NA
WIDOW	NA	$0.39	NA	$1.16
YELLOWTAIL	$0.47	NA	$0.06	NA
GRP BOCACCIO/CHILIPEPPER	$0.67	NA	NA	NA

[1]NA denotes no landings in that market category for the particular year.

Table 47. Annual landings and average prices in rockfish market categories for the San Diego area, 1991-95.

Market Category	Year				
	1991	1992	1993	1994	1995
	Landings (MT)				
BANK	0.00	0.02	0.11	0.35	0.52
BLACK	0.00	0.12	0.00	0.00	0.00
BLACKGILL	24.68	48.33	24.62	56.75	24.77
BLUE	0.38	0.00	0.39	0.00	0.00
BOCACCIO	0.83	12.92	5.78	6.02	2.20
BROWN	0.00	0.00	0.00	0.00	0.12
CA SCORPIONFISH	4.73	6.33	5.06	17.95	7.70
CHILIPEPPER	0.18	0.90	4.40	2.12	3.17
COWCOD	1.53	4.85	2.47	1.36	0.56
GOPHER	0.00	0.00	0.00	0.56	0.08
GREENSTRIPED	0.00	0.00	0.00	0.00	0.00
GROUP BOLINA	0.05	0.00	0.00	0.00	0.00
GROUP GOPHER	0.00	0.00	0.00	0.00	0.00
GROUP RED	16.73	18.63	19.91	15.40	15.00
GROUP ROSEFISH	0.00	0.00	2.16	0.04	0.00
GROUP SMALL REDS	0.01	0.00	0.22	0.00	0.27
GRP BOCACCIO/CHILI	0.42	0.00	0.00	0.00	0.00
ROCKFISH	84.53	160.61	92.83	30.21	40.02
ROSY	0.00	0.00	0.00	0.24	0.00
SPLITNOSE	0.25	0.23	0.00	0.00	0.00
STARRY	0.11	0.00	0.06	0.01	0.00
TREEFISH	0.00	0.00	0.00	0.00	0.00
VERMILLION	0.00	0.02	0.00	0.18	0.23
WHITEBELLY	0.22	0.00	0.00	0.00	0.00
YELLOWEYE	0.00	1.20	0.00	0.00	0.00
YELLOWTAIL	0.00	0.00	0.07	0.00	0.00
Total Landings	134.65	254.17	158.08	131.19	94.63
	Exvessel Prices (199 $/lb)				
BANK	NA[1]	$0.78	$0.66	$0.67	$0.69
BLACK	NA	$0.49	NA	NA	NA
BLACKGILL	$0.84	$0.70	$0.74	$0.72	$0.73

Table 47. continued

BLUE	$1.00	NA	$0.91	NA	NA
BOCACCIO	$0.73	$0.67	$0.65	$0.95	$0.80
BROWN	NA	NA	NA	NA	$0.99
CA SCORPIONFISH	$1.07	$1.14	$1.50	$1.51	$1.36
CHILIPEPPER	$0.82	$0.65	$0.57	$0.76	$0.72
COWCOD	$1.32	$1.19	$1.11	$1.12	$1.22
GOPHER	NA	NA	NA	$1.34	$1.12
GREENSTRIPED	NA	NA	$0.48	NA	NA
GROUP BOLINA	$0.94	NA	NA	NA	NA
GROUP GOPHER	NA	NA	$0.72	NA	NA
GROUP RED	$1.10	$1.10	$1.13	$1.06	$1.05
GROUP ROSEFISH	NA	NA	$0.27	$1.16	NA
GROUP SMALL REDS	$0.75	NA	$0.52	NA	$0.58
GRP BOCACCIO/CHILI	$0.77	NA	NA	NA	NA
ROCKFISH	$0.87	$0.96	$0.91	$0.99	$1.08
ROSY	NA	NA	NA	$0.79	NA
SPLITNOSE	$0.80	$0.85	NA	NA	NA
STARRY	$1.85	NA	$1.23	$1.21	NA
TREEFISH	NA	NA	NA	$3.27	$3.19
VERMILLION	NA	$0.30	NA	$0.90	$0.99
WHITEBELLY	$0.70	NA	NA	NA	NA
YELLOWEYE	NA	$0.97	NA	NA	NA
YELLOWTAIL	NA	NA	$0.19	NA	NA

[1]NA denotes no landings in that market category for the particular year.

Table 48. Eureka area trawl-caught rockfish landings and revenues, 1991-95.

Market Category	Year 1991	1992	1993	1994	1995
			Landings (MT)		
BLACK	0.42	0	1.82	0.27	1.75
BLACKGILL	0	0.76	0	0	0
BLUE	0	0	0	0	0.68
BOCACCIO	42.89	35.94	66.29	27.47	31.89
BOCACCIO/CHILI	0.46	0	0.23	0	0
BROWN	0	0	0.5	0	0.11
CA SCORPIONFISH	0	0	0	0.06	0
CANARY	0.49	0	8.43	18.13	55.77
CHILIPEPPER	0	0.48	0.33	3.35	1.16
CHINA	0	0	0.02	0.61	0
COPPER	0	0	0	0	0.12
GREENSPOTTED	0.13	0	0	0.02	0
GREENSTRIPED	0	0	0.24	0.59	5.13
GROUP BOLINA	0	0.73	0	0	0
GROUP DEEP REDS	0.11	0	0	0	0
GROUP GOPHER	0	0	0.01	0	0
GROUP RED	15.61	5.33	10.07	39.07	9.13
GROUP ROSEFISH	0.58	4.12	0.8	0	0
GROUP SMALL REDS	195.62	107.78	158.81	243.6	197.24
REDBANDED	0	0	0	0.23	0.06
ROCKFISH	643.06	558.81	508.03	412.02	383.59
SHORTBELLY	0	0	0	0.13	0
SPLITNOSE	0	0.14	0	0	0
SQUARESPOT	0	0	0	0.3	0
VERMILLION	0	0	0	0	0.02
WIDOW	497.8	516.91	837.88	561.56	717.31
YELLOWEYE	1.3	0.02	0	0.11	0.23
YELLOWTAIL	11.12	14.02	21.03	54.12	93.89
Total Landings	1409.59	1245.04	1614.49	1361.64	1498.08
			Exvessel Revenues (1991 $1,000)		
BLACK	$0.3	$0.0	$1.7	$0.3	$1.6

Table 48. continued

BLACKGILL	$0.0	$0.5	$0.0	$0.0	$0.0
BLUE	$0.0	$0.0	$0.0	$0.0	$0.5
BOCACCIO	$28.8	$24.0	$45.3	$21.1	$23.7
BOCACCIO/CHILI	$0.3	$0.0	$0.2	$0.0	$0.0
BROWN	$0.0	$0.0	$0.6	$0.0	$0.1
CA SCORPIONFISH	$0.0	$0.0	$0.0	$0.1	$0.0
CANARY	$0.4	$0.0	$7.5	$17.1	$47.3
CHILIPEPPER	$0.0	$0.4	$0.2	$2.2	$0.9
CHINA	$0.0	$0.0	$0.0	$1.7	$0.0
COPPER	$0.0	$0.0	$0.0	$0.0	$0.2
GREENSPOTTED	$0.1	$0.0	$0.0	$0.0	$0.0
GREENSTRIPED	$0.0	$0.0	$0.1	$0.3	$2.2
GROUP BOLINA	$0.0	$1.2	$0.0	$0.0	$0.0
GROUP DEEP REDS	$0.1	$0.0	$0.0	$0.0	$0.0
GROUP GOPHER	$0.0	$0.0	$0.0	$0.0	$0.0
GROUP RED	$10.3	$4.0	$7.4	$28.2	$7.2
GROUP ROSEFISH	$0.4	$1.8	$0.5	$0.0	$0.0
GROUP SMALL REDS	$120.4	$61.9	$83.5	$129.4	$103.4
REDBANDED	$0.0	$0.0	$0.0	$0.4	$0.1
ROCKFISH	$426.6	$371.9	$346.3	$297.1	$287.2
SHORTBELLY	$0.0	$0.0	$0.0	$0.1	$0.0
SPLITNOSE	$0.0	$0.1	$0.0	$0.0	$0.0
SQUARESPOT	$0.0	$0.0	$0.0	$0.6	$0.0
VERMILLION	$0.0	$0.0	$0.0	$0.0	$0.0
WIDOW	$296.8	$316.0	$511.1	$363.9	$475.5
YELLOWEYE	$2.4	$0.0	$0.0	$0.1	$0.4
YELLOWTAIL	$7.2	$9.1	$14.1	$39.1	$69.5
Total Revenues	$894.0	$790.9	$1,018.6	$901.6	$1,019.7

Table 49. Ft. Bragg area trawl-caught rockfish landings and revenues, 1991-95.

Market Category	Year 1991	1992	1993	1994	1995
			Landings (MT)		
AURORA	0.00	0.00	0.00	0.00	1.79
BLACK	0.00	0.00	0.26	0.00	0.00
BOCACCIO	143.42	41.66	33.08	49.02	82.55
BROWN	0.00	0.00	0.00	0.00	0.04
CHILIPEPPER	0.00	0.24	0.00	0.91	0.00
GREENSPOTTED	0.00	0.02	0.00	0.00	0.16
GROUP RED	282.40	97.95	10.69	3.46	1.94
GROUP ROSEFISH	33.09	15.96	16.47	11.46	8.62
GROUP SMALL REDS	14.70	4.92	41.42	127.78	84.82
GRP BOCACCIO/CHILI	1.37	0.00	0.48	0.00	0.00
CANARY	2.99	3.79	13.13	15.55	22.71
ROCKFISH	666.09	341.28	364.18	577.16	735.70
ROSY	0.00	0.00	0.00	0.20	0.00
SHORTBELLY	0.00	0.00	0.00	2.31	0.00
SPLITNOSE	0.55	0.53	0.00	0.00	0.00
STARRY	0.01	0.00	0.00	0.00	0.00
VERMILLION	0.00	0.00	0.00	0.00	0.09
WIDOW	150.95	77.58	27.20	76.14	237.37
YELLOWEYE	0.91	0.09	0.00	0.00	0.67
YELLOWTAIL	0.00	0.00	4.54	0.03	0.67
Total Landings	1296.46	584.02	511.46	864.02	1177.10
			Exvessel Revenues (1991 $1,000)		
AURORA	$0.0	$0.0	$0.0	$0.0	$3.6
BLACK	$0.0	$0.0	$0.1	$0.0	$0.0
BOCACCIO	$94.9	$27.8	$22.5	$35.4	$61.6
BROWN	$0.0	$0.0	$0.0	$0.0	$0.0
CHILIPEPPER	$0.0	$0.2	$0.0	$0.7	$0.0
GREENSPOTTED	$0.0	$0.0	$0.0	$0.0	$0.2
GROUP RED	$187.9	$65.2	$7.4	$2.4	$1.5
GROUP ROSEFISH	$20.3	$9.2	$8.5	$5.9	$4.5
GROUP SMALL REDS	$9.0	$2.9	$21.7	$67.6	$44.3

Table 49. continued

GRP BOCACCIO/CHILI	$0.9	$0.0	$0.3	$0.0	$0.0
CANARY	$2.1	$2.8	$10.0	$14.9	$21.9
ROCKFISH	$441.4	$226.9	$248.1	$418.3	$551.6
ROSY	$0.0	$0.0	$0.0	$0.1	$0.0
SHORTBELLY	$0.0	$0.0	$0.0	$0.7	$0.0
SPLITNOSE	$0.3	$0.3	$0.0	$0.0	$0.0
STARRY	$0.0	$0.0	$0.0	$0.0	$0.0
VERMILLION	$0.0	$0.0	$0.0	$0.0	$0.1
WIDOW	$90.1	$46.8	$16.9	$52.3	$159.5
YELLOWEYE	$0.7	$0.1	$0.0	$0.0	$0.7
YELLOWTAIL	$0.0	$0.0	$1.6	$0.0	$0.5
Total Revenues	$847.8	$382.1	$337.1	$598.4	$849.9

Table 50. Bodega Bay area trawl-caught rockfish landings and revenues, 1991-95.

Market Category	Year 1991	1992	1993	1994	1995
			Landings (MT)		
BLACK	0.00	0.00	0.00	0.04	0.02
BLACKGILL	0.00	0.00	0.97	0.00	0.00
BLUE	0.00	0.00	0.00	0.00	0.02
BOCACCIO	42.45	39.10	89.00	72.00	44.99
BROWN	0.01	0.00	0.00	0.00	0.00
CHILIPEPPER	10.54	11.41	12.61	2.49	2.40
CHINA	0.00	0.00	0.00	1.27	0.00
GREENSTRIPED	0.00	0.00	0.00	0.00	0.17
GROUP BOLINA	0.37	0.15	0.01	0.00	0.00
GROUP RED	44.73	8.03	2.55	16.06	5.88
GROUP ROSEFISH	12.80	9.15	7.43	1.45	0.00
GROUP SMALL REDS	22.69	7.32	10.91	9.77	21.74
GRP BOCACCIO/CHILI	0.77	0.09	0.00	0.00	0.00
CANARY	0.00	0.00	0.00	0.25	1.91
ROCKFISH	378.62	176.95	244.23	166.03	124.50
SPLITNOSE	2.36	0.00	0.00	0.00	0.00
WIDOW	104.40	119.12	79.32	37.85	218.04
YELLOWTAIL	0.00	0.66	0.21	0.13	1.86
Total Landings	619.73	371.96	447.24	307.33	421.53
			Exvessel Revenues (1991 $)		
BLACK	$0	$0	$0	$21	$23
BLACKGILL	$0	$0	$671	$0	$0
BLUE	$0	$0	$0	$0	$41
BOCACCIO	$28,506	$26,127	$60,283	$52,832	$33,784
BROWN	$5	$0	$0	$0	$0
CHILIPEPPER	$7,022	$8,074	$8,353	$1,741	$1,885
CHINA	$0	$0	$0	$2,997	$0
GREENSTRIPED	$0	$0	$0	$0	$83
GROUP BOLINA	$585	$309	$28	$0	$0
GROUP RED	$30,072	$6,020	$2,704	$14,852	$5,261
GROUP ROSEFISH	$7,823	$5,424	$3,691	$762	$0

Table 50. continued

GROUP SMALL REDS	$13,906	$3,882	$5,762	$5,253	$11,802
GRP BOCACCIO/CHILI	$506	$59	$0	$0	$0
CANARY	$0	$0	$0	$587	$1,779
ROCKFISH	$252,656	$117,722	$169,153	$123,170	$92,587
SPLITNOSE	$1,457	$0	$0	$0	$0
WIDOW	$63,028	$73,652	$48,613	$24,011	$147,738
YELLOWTAIL	$0	$451	$171	$102	$1,364
Total Revenues	$405,563	$241,720	$299,429	$226,327	$296,346

Table 51. San Francisco area trawl-caught rockfish landings and revenues, 1991-95.

Market Category	Year 1991	1992	1993	1994	1995
	Landings (MT)				
BANK	13.10	0.64	12.75	6.27	19.83
BLACK	0.00	0.00	0.01	0.02	0.20
BLACKGILL	0.40	7.37	19.53	6.22	4.46
BLUE	0.00	0.00	0.00	0.01	0.00
BOCACCIO	213.50	144.44	114.05	58.23	61.48
BROWN	0.00	0.00	0.00	0.69	0.27
CA SCORPIONFISH	0.01	0.00	0.00	0.00	0.00
CHILIPEPPER	447.20	425.85	254.57	218.58	253.04
CHINA	1.32	0.00	0.00	0.18	0.00
COPPER	0.00	0.00	0.06	0.06	0.04
COWCOD	0.45	0.05	0.69	0.00	0.31
GOPHER	0.00	0.00	0.00	0.03	0.00
GREENSPOTTED	0.00	0.00	0.00	0.00	0.67
GREENSTRIPED	0.00	0.00	0.04	0.00	0.08
GROUP BOLINA	3.52	0.49	1.35	0.24	0.01
GROUP GOPHER	0.00	0.01	0.00	0.00	1.00
GROUP RED	44.50	40.49	32.66	20.42	28.46
GROUP ROSEFISH	96.63	125.89	73.30	40.35	34.02
GROUP SMALL REDS	3.31	5.50	27.37	23.43	13.84
GRP BOCACCIO/CHILI	0.00	0.02	3.87	0.00	0.00
CANARY	0.00	0.24	1.05	2.33	9.45
PINKROSE	0.00	0.00	0.00	0.12	0.17
ROCKFISH	336.63	190.89	137.01	85.65	139.42
SHORTBELLY	0.00	0.00	0.00	0.00	3.74
SPLITNOSE	0.00	0.00	0.38	0.00	0.00
SQUARESPOT	0.00	0.00	0.00	0.34	0.04
VERMILLION	0.00	0 00	0.00	0.00	0.21
WIDOW	220.30	156.77	82.26	39.66	212.21
YELLOWEYE	1.22	0.02	0.03	0.08	0.09

Table 51. continued

YELLOWTAIL	0.68	3.16	30.54	15.71	6.20
Total Landings	1382.74	1101.82	791.50	518.62	789.24
	Exvessel Revenues (1991 $)				
BANK	$8,882	$440	$9,315	$4,884	$17,566
BLACK	$0	$0	$8	$15	$202
BLACKGILL	$331	$6,301	$14,684	$5,221	$3,670
BLUE	$0	$0	$2	$11	$0
BOCACCIO	$142,321	$99,680	$80,794	$46,322	$49,801
BROWN	$0	$0	$0	$516	$1,543
CA SCORPIONFISH	$75	$0	$19	$0	$0
CHILIPEPPER	$296,135	$294,191	$164,937	$169,332	$201,072
CHINA	$873	$0	$0	$138	$0
COPPER	$0	$0	$34	$182	$128
COWCOD	$393	$31	$486	$0	$242
GOPHER	$0	$0	$0	$24	$0
GREENSPOTTED	$0	$0	$0	$0	$909
GREENSTRIPED	$0	$0	$30	$0	$43
GROUP BOLINA	$5,829	$1,063	$2,730	$447	$27
GROUP GOPHER	$0	$73	$0	$7	$1,636
GROUP RED	$35,495	$34,669	$34,451	$21,965	$30,788
GROUP ROSEFISH	$60,486	$74,506	$40,385	$22,464	$20,891
GROUP SMALL REDS	$2,075	$3,525	$18,527	$14,763	$9,213
GRP BOCACCIO/CHILI	$0	$14	$2,397	$0	$0
CANARY	$0	$309	$992	$3,571	$12,124
PINKROSE	$0	$0	$0	$109	$249
ROCKFISH	$230,598	$132,282	$101,966	$65,804	$117,484
SHORTBELLY	$0	$0	$0	$0	$746
SPLITNOSE	$0	$0	$239	$0	$0
SQUARESPOT	$0	$0	$0	$550	$31
VERMILLION	$0	$0	$0	$0	$429
WIDOW	$138,838	$102,925	$51,053	$21,457	$164,068
YELLOWEYE	$2,004	$18	$48	$177	$129
YELLOWTAIL	$515	$2,273	$25,114	$13,047	$5,682

Table 51. continued

Total Revenues	$924,851	$752,300	$548,212	$391,007	$638,672

Table 52. Monterey area trawl-caught rockfish landings (MT), 1991-95.

Market Category	Year 1991	1992	1993	1994	1995
			Landings (MT)		
BANK	0.00	2.20	0.18	0.09	6.96
BLACK	0.00	0.00	0.20	0.00	0.12
BLACKGILL	0.00	0.00	0.80	0.80	0.16
BLUE	0.00	0.00	0.00	0.00	0.92
BOCACCIO	38.64	25.96	97.72	62.73	51.56
BROWN	0.15	2.47	0.46	0.01	0.00
CHILIPEPPER	2.46	25.50	98.70	252.50	482.38
COWCOD	0.00	0.05	0.02	0.24	0.11
GROUP BOLINA	0.18	0.01	0.06	0.00	0.00
GROUP DEEP REDS	0.00	0.41	0.23	0.04	16.59
GROUP GOPHER	0.01	0.00	0.83	0.00	0.00
GROUP RED	1.52	6.22	13.54	10.21	26.03
GROUP ROSEFISH	42.31	87.01	125.04	64.78	153.75
GROUP SMALL REDS	9.06	9.40	47.46	8.98	46.84
GRP BOCACCIO/CHILI	0.19	0.02	0.45	0.00	0.00
HONEYCOMB	0.00	0.00	0.01	0.00	0.00
CANARY	0.00	0.03	0.00	0.00	3.99
ROCKFISH	118.69	151.52	213.31	38.17	20.07
SHORTBELLY	0.00	0.18	0.00	0.35	1.98
SPLITNOSE	0.00	0.00	4.89	0.00	0.00
VERMILLION	0.00	0.00	0.00	0.00	0.03
WIDOW	4.40	6.18	54.39	35.62	160.63
YELLOWEYE	0.00	0.00	0.02	0.00	0.03
YELLOWTAIL	0.00	0.00	0.26	2.11	8.49
Total Landings	217.58	317.17	658.55	476.63	980.63
			Exvessel Revenues (1991 $)		
BANK	$0	$1,415	$152	$76	$5,562
BLACK	$0	$1	$83	$0	$99
BLACKGILL	$0	$0	$652	$744	$141
BLUE	$0	$0	$0	$0	$529
BOCACCIO	$27,411	$17,515	$71,496	$50,325	$44,228

Table 52. continued

BROWN	$96	$1,586	$351	$6	$0
CHILIPEPPER	$1,693	$15,593	$66,242	$216,203	$428,956
COWCOD	$0	$47	$29	$256	$132
GROUP BOLINA	$323	$6	$117	$0	$3
GROUP DEEP REDS	$0	$310	$142	$33	$15,482
GROUP GOPHER	$21	$0	$532	$0	$0
GROUP RED	$1,582	$5,904	$13,364	$12,804	$26,395
GROUP ROSEFISH	$21,204	$40,949	$61,994	$43,201	$117,631
GROUP SMALL REDS	$4,054	$4,218	$19,961	$4,200	$22,707
GRP BOCACCIO/CHILI	$130	$16	$378	$0	$0
HONEYCOMB	$0	$0	$8	$0	$0
CANARY	$0	$27	$0	$0	$3,700
ROCKFISH	$82,195	$102,074	$150,871	$30,685	$18,036
SHORTBELLY	$0	$121	$0	$112	$1,024
SPLITNOSE	$0	$0	$2,554	$0	$0
VERMILLION	$0	$0	$0	$0	$72
WIDOW	$3,073	$3,805	$37,985	$28,199	$140,659
YELLOWEYE	$0	$0	$28	$0	$51
YELLOWTAIL	$0	$0	$230	$1,709	$7,526
Total Revenues	$141,782	$193,588	$427,169	$388,551	$832,930

Table 53. Morro Bay area trawl-caught rockfish landings and revenues, 1991-95.

Market Category	Year 1991	1992	1993	1994	1995
			Landings (MT)		
BANK	0.22	0.17	0.64	3.71	0.00
BLACK	0.00	0.00	0.70	0.00	0.00
BLACKGILL	43.79	27.45	41.01	4.70	11.30
BLUE	0.01	0.00	0.00	0.00	0.00
BOCACCIO	110.69	105.30	77.65	157.87	82.13
BROWN	0.00	0.00	0.00	0.08	0.00
CA SCORPIONFISH	0.01	0.00	0.00	0.00	0.01
CHILIPEPPER	60.51	16.16	21.17	149.36	92.18
COWCOD	0.33	0.50	0.12	0.10	0.25
FLAG	0.00	0.00	0.00	0.00	0.01
GRASS	0.00	0.00	0.00	0.01	0.05
GREENSPOTTED	0.00	0.00	0.00	0.25	0.00
GROUP BOLINA	1.16	0.69	0.35	0.00	1.79
GROUP GOPHER	0.06	0.01	0.00	2.60	0.04
GROUP RED	8.74	5.41	7.91	12.50	9.62
GROUP ROSEFISH	90.18	59.57	95.66	123.50	92.46
GROUP SMALL REDS	24.48	9.50	6.43	17.04	6.22
GRP BOCACCIO/CHILI	1.73	0.00	1.09	0.00	0.00
CANARY	0.00	0.00	0.00	0.03	0.00
OLIVE	0.00	0.00	0.00	0.00	0.09
ROCKFISH	357.35	195.51	130.18	253.21	195.20
SPLITNOSE	47.09	8.62	2.72	1.79	0.00
STARRY	0.00	0.10	0.00	0.00	0.00
WIDOW	3.02	0.34	2.15	24.24	49.65
YELLOWTAIL	0.00	0.00	0.00	0.33	0.00
Total Landings	749.35	429.33	387.77	751.31	541.00
			Exvessel Revenues (1991 $)		
BANK	$168	$146	$604	$3,413	$0
BLACK	$0	$0	$304	$0	$0
BLUE	$3	$0	$0	$0	$0
BOCACCIO	$77,023	$69,291	$49,102	$101,193	$51,250

Table 53. continued

BROWN	$0	$0	$0	$63	$0
CA SCORPIONFISH	$5	$0	$0	$5	$5
CHILIPEPPER	$46,172	$12,970	$17,209	$136,008	$83,359
COWCOD	$542	$607	$184	$227	$376
FLAG	$0	$0	$0	$0	$5
GRASS	$0	$0	$0	$125	$490
GREENSPOTTED	$0	$0	$0	$451	$0
GROUP BOLINA	$1,279	$580	$299	$0	$1,408
GROUP GOPHER	$134	$10	$3	$1,729	$210
GROUP RED	$10,834	$6,001	$9,865	$20,636	$15,417
GROUP ROSEFISH	$44,233	$24,887	$43,965	$62,842	$50,892
GROUP SMALL REDS	$13,478	$4,637	$2,956	$8,889	$3,280
GRP BOCACCIO/CHILI	$966	$0	$890	$0	$0
CANARY	$0	$0	$0	$30	$2
OLIVE	$0	$0	$0	$0	$77
ROCKFISH	$278,661	$151,133	$115,098	$227,286	$174,966
SPLITNOSE	$29,059	$4,843	$1,419	$914	$0
STARRY	$0	$211	$0	$0	$0
WIDOW	$2,330	$199	$1,560	$22,203	$41,421
YELLOWTAIL	$0	$0	$0	$268	$0
Total Revenues	$539,496	$297,712	$280,670	$590,915	$433,279

Table 54. Santa Barbara area trawl-caught rockfish landings and revenues, 1991-95.

Market Category	Year 1991	1992	1993	1994	1995
			Landings (MT)		
BOCACCIO	1.10	1.56	0.60	6.63	0.61
CA SCORPIONFISH	0.12	0.41	2.07	4.18	2.53
CHILIPEPPER	0.64	0.45	0.01	0.67	0.05
COWCOD	0.00	0.04	0.03	0.00	0.03
FLAG	0.00	0.00	0.00	0.00	0.20
GROUP BOLINA	0.00	0.00	0.00	0.00	0.00
GROUP RED	0.37	1.00	0.09	5.10	1.04
GROUP ROSEFISH	0.00	0.00	0.00	0.00	0.00
GROUP SMALL REDS	0.00	0.00	0.00	0.00	0.01
GRP BOCACCIO/CHILI	0.06	0.00	0.00	0.00	0.00
ROCKFISH	10.61	4.90	1.00	1.84	1.35
ROSETHORN	0.00	0.00	0.00	0.03	0.00
WIDOW	0.00	0.00	0.00	0.00	0.00
Total Landings	12.90	8.36	3.79	18.46	5.81
			Exvessel Revenues (1991 $)		
BOCACCIO	$919	$1,437	$520	$5,858	$645
CA SCORPIONFISH	$173	$694	$8,780	$17,945	$8,522
CHILIPEPPER	$625	$389	$6	$481	$60
COWCOD	$0	$40	$24	$0	$34
FLAG	$0	$0	$0	$0	$401
GROUP BOLINA	$4	$0	$0	$6	$2
GROUP RED	$740	$2,405	$102	$8,459	$1,942
GROUP ROSEFISH	$0	$0	$0	$0	$1
GROUP SMALL REDS	$0	$0	$0	$1	$3
GRP BOCACCIO/CHILI	$45	$0	$0	$0	$0
ROCKFISH	$9,882	$4,413	$1,064	$2,708	$1,846
ROSETHORN	$0	$0	$0	$18	$0
WIDOW	$0	$0	$0	$0	$0
Total Revenues	$12,388	$9,379	$10,495	$35,477	$13,454

Table 55. Los Angeles area trawl-caught rockfish landings and revenues, 1991-95.

Market Category	Year 1991	1992	1993	1994	1995
	Landings (MT)				
BLUE	0.00	0.00	0.16	0.00	0.00
BOCACCIO	0.05	0.29	0.05	3.22	0.18
CA SCORPIONFISH	4.55	3.08	5.65	8.83	13.69
CHILIPEPPER	0.00	0.09	0.07	0.00	0.00
GROUP BOLINA	0.00	0.00	0.00	0.00	0.00
GROUP RED	0.68	0.44	0.35	0.97	0.24
GROUP ROSEFISH	0.00	0.06	0.00	0.00	0.00
GROUP SMALL REDS	0.03	0.00	0.00	0.03	0.00
ROCKFISH	0.83	0.48	0.39	1.33	0.50
STARRY	0.01	0.00	0.00	0.00	0.00
Total Landings	6.15	4.45	6.67	14.38	14.61
	Exvessel Revenues (1991 $)				
BLUE	$0	$0	$33	$0	
BOCACCIO	$59	$257	$36	$3,843	
CA SCORPIONFISH	$8,671	$4,809	$21,220	$21,252	
CHILIPEPPER	$0	$91	$78	$0	
GROUP BOLINA	$0	$3	$0	$2	
GROUP RED	$1,532	$848	$752	$1,988	
GROUP ROSEFISH	$0	$91	$0	$0	
GROUP SMALL REDS	$21	$0	$0	$38	
ROCKFISH	$1,237	$746	$699	$1,747	
STARRY	$35	$0	$0	$0	
Total Revenues	$11,555	$6,846	$22,819	$28,870	

Table 56. San Diego area trawl-caught rockfish landings and revenues, 1991-95.

Market Category	Year 1991	1992	1993	1994	1995
			Landings (MT)		
BLACKGILL	0.00	0.00	0.00	0.01	0.00
CA SCORPIONFISH	0.05	0.46	0.26	0.00	0.00
COWCOD	0.00	0.00	0.00	0.09	0.00
GROUP RED	0.00	0.00	0.00	0.24	0.00
ROCKFISH	0.07	0.01	0.00	0.01	0.04
STARRY	0.00	0.00	0.00	0.01	0.00
Total Landings	0.12	0.46	0.26	0.368	0.04
			Exvessel Revenues (1991 $)		
BLACKGILL	$0	$0	$0	$12	$0
CA SCORPIONFISH	$108	$984	$960	$0	$4
COWCOD	$0	$0	$0	$239	$0
GROUP RED	$0	$0	$0	$612	$0
ROCKFISH	$103	$16	$0	$31	$122
STARRY	$0	$0	$0	$23	$0
Total Revenues	$211	$1,000	$960	$917	$126

Table 57. Eureka area hook-and-line caught rockfish landings and revenues, 1991-95.

Market Category	Year 1991	1992	1993	1994	1995
	Landings (MT)				
BANK	0	0	0	0.12	0
BLACK	114.86	68.72	22.37	84.44	89.35
BLACKGILL	0	0.41	0	0	0.07
BLUE	0.19	0.09	0.26	16.26	5.27
BOCACCIO	3.94	10.84	27.68	13.38	12.12
BOCACCIO/CHILI	0.17	0	0	0	0
BROWN	0.25	0.17	0.02	0.15	0.11
CANARY	10.88	20.36	5.21	23.93	28.55
CANARY/VERMILLION	0	0	0	0	0.1
CHILIPEPPER	3.42	3.55	19.83	9.97	13.96
CHINA	0.69	1.73	0.31	0.34	4.23
COPPER	8.06	8.03	1.84	2.54	12.42
COWCOD	0	0	0.02	0	0
FLAG	0	0	0	0	0
GOPHER	0	0	0	0	0
GREENSPOTTED	1.18	0.32	0.12	0.09	0.3
GREENSTRIPED	0	0	0	0	0.23
GROUP BLUE/BLACK	0	0	0	3.57	0
GROUP BOLINA	0.85	0.17	0.08	0	0
GROUP DEEP REDS	0	0	0	0.96	0
GROUP GOPHER	0	0.14	0	0	0
GROUP RED	47.61	34.36	30.43	12.4	12.23
GROUP ROSEFISH	0	0.19	0.09	0	0
GROUP SMALL REDS	2.31	2.54	0.85	3.7	7.7
KELP	0.54	0	0	0	0
PINKROSE	0	0	0	0.02	0.26
QUILLBACK	0	0	0	0.86	3.01
REDBANDED	0.01	0.09	0.07	2.29	0.73
ROSY	0.03	0	0	0	0
STARRY	0.03	0.16	0	0	0
VERMILLION	0.18	0.3	0.09	1.03	2.38

Table 57. continued

WIDOW	31.68	39.45	19.34	38.33	11
YELLOWEYE	19.81	15.37	6.3	4.94	15.9
YELLOWTAIL	28.82	47.32	2.38	32.36	15.77
Total Landings	646.41	533.25	347.15	298.80	305.71
	Exvessel Revenues (1991 $1,000)				
BANK	$0.0	$0.0	$0.0	$0.2	$0.0
BLACK	$97.5	$59.7	$21.3	$81.4	$93.2
BLACKGILL	$0.0	$0.4	$0.0	$0.0	$0.1
BLUE	$0.3	$0.2	$0.2	$15.9	$5.3
BOCACCIO	$3.1	$8.5	$21.5	$13.3	$11.5
BOCACCIO/CHILI	$0.1	$0.0	$0.0	$0.0	$0.0
BROWN	$0.3	$0.3	$0.0	$0.3	$0.3
CANARY	$16.6	$26.0	$7.9	$41.1	$52.9
CANARY/VERMILLION	$0.0	$0.0	$0.0	$0.0	$0.2
CHILIPEPPER	$3.0	$2.8	$16.5	$9.7	$13.7
CHINA	$1.4	$2.6	$0.6	$0.7	$12.0
COPPER	$8.7	$8.4	$2.0	$4.3	$24.3
COWCOD	$0.0	$0.0	$0.0	$0.0	$0.0
FLAG	$0.0	$0.0	$0.0	$0.0	$0.0
GOPHER	$0.0	$0.0	$0.0	$0.0	$0.0
GREENSPOTTED	$1.9	$0.4	$0.1	$0.2	$0.5
GREENSTRIPED	$0.0	$0.0	$0.0	$0.0	$0.1
GROUP BLUE/BLACK	$0.0	$0.0	$0.0	$3.2	$0.0
GROUP BOLINA	$1.4	$0.2	$0.1	$0.0	$0.0
GROUP DEEP REDS	$0.0	$0.0	$0.0	$1.3	$0.0
GROUP GOPHER	$0.0	$0.4	$0.0	$0.0	$0.0
GROUP RED	$73.1	$46.8	$45.6	$21.9	$22.2
GROUP ROSEFISH	$0.0	$0.3	$0.1	$0.0	$0.0
KELP	$0.9	$0.0	$0.0	$0.0	$0.0
PINKROSE	$0.0	$0.0	$0.0	$0.0	$0.4
QUILLBACK	$0.0	$0.0	$0.0	$1.9	$7.8
REDBANDED	$0.0	$0.1	$0.1	$3.9	$0.9
ROCKFISH	$307.7	$241.1	$187.0	$46.2	$73.5

Table 57. continued

ROSY	$0.0	$0.0	$0.0	$0.0	$0.0
STARRY	$0.0	$0.4	$0.0	$0.0	$0.0
VERMILLION	$0.3	$0.4	$0.2	$1.7	$4.4
WIDOW	$21.7	$29.2	$13.4	$35.7	$9.7
YELLOWEYE	$35.3	$25.1	$10.3	$10.3	$43.5
YELLOWTAIL	$24.9	$39.6	$2.0	$32.4	$16.2
Total Revenue	$600.0	$494.3	$329.6	$330.8	$408.6

Table 58. Ft. Bragg area hook-and-line caught rockfish landings and revenues,1991-95.

Market Category	1991	1992	1991 1993	1994	1995
			Landings (MT)		
BLACK	0.00	0.08	0.02	3.02	1.30
BLACK-AND-YELLOW	0.02	0.00	0.00	0.00	0.00
BLUE	0.27	0.00	0.20	4.30	2.46
BOCACCIO	0.01	0.97	2.31	0.60	0.27
BROWN	0.00	0.41	0.00	0.00	0.00
CHILIPEPPER	0.05	1.11	0.00	4.92	0.20
CHINA	0.76	1.37	1.48	4.62	1.05
COPPER	7.67	5.70	1.85	8.28	3.19
COWCOD	0.00	0.00	0.00	0.00	0.00
GOPHER	0.00	0.00	0.00	0.07	0.00
GREENSPOTTED	0.00	12.80	3.55	7.09	4.89
GROUP BOLINA	0.21	1.01	0.01	0.26	0.00
GROUP GOPHER	0.07	0.01	0.11	0.46	0.00
GROUP RED	35.10	42.26	15.87	2.77	0.67
GROUP ROSEFISH	0.35	0.02	0.01	0.00	0.00
GROUP SMALL REDS	5.69	5.51	1.05	0.11	0.32
KELP	0.00	0.00	0.00	0.07	0.00
CANARY	12.28	21.72	6.14	14.42	10.44
PINKROSE	2.60	0.56	1.14	2.99	3.01
QUILLBACK	0.00	0.00	0.00	0.11	0.46
REDBANDED	0.00	0.00	0.00	0.19	0.11
ROCKFISH	90.86	107.73	41.20	10.08	10.48
ROSETHORN	0.00	0.27	0.11	0.07	0.68
SPLITNOSE	0.00	0.00	0.00	0.00	0.00
STARRY	0.24	0.00	0.00	0.00	0.00
VERMILLION	0.54	0.34	0.14	1.99	0.68
WIDOW	0.52	1.25	0.18	3.58	0.11
YELLOWEYE	7.79	6.40	8.49	11.71	10.48
YELLOWTAIL	1.23	0.92	2.16	25.80	23.98
			Exvessel Revenues (1991 $)		
BLACK	$0	$68	$18	$2,688	$1,320

Table 58. continued

BLACK-AND-YELLOW	$35	$0	$0	$0	$0
BLUE	$300	$0	$207	$3,882	$2,452
BOCACCIO	$8	$728	$1,838	$611	$270
BROWN	$0	$620	$0	$0	$0
CHILIPEPPER	$36	$1,777	$0	$5,026	$198
CHINA	$1,570	$3,137	$3,528	$13,685	$2,962
COPPER	$10,677	$5,948	$2,044	$15,793	$6,119
COWCOD	$0	$0	$0	$0	$4
GOPHER	$0	$0	$0	$265	$0
GREENSPOTTED	$0	$17,734	$5,261	$12,401	$9,110
GROUP BOLINA	$392	$1,645	$8	$921	$0
GROUP GOPHER	$92	$10	$212	$1,199	$0
GROUP RED	$61,893	$68,053	$20,950	$4,884	$1,319
GROUP ROSEFISH	$374	$14	$10	$0	$0
GROUP SMALL REDS	$6,284	$5,092	$768	$121	$166
KELP	$0	$0	$0	$75	$0
CANARY	$19,556	$33,821	$8,112	$25,258	$20,290
PINKROSE	$2,669	$454	$865	$3,005	$2,906
QUILLBACK	$0	$0	$0	$303	$1,050
REDBANDED	$0	$0	$0	$59	$122
ROCKFISH	$97,058	$98,962	$40,528	$10,940	$10,715
ROSETHORN	$0	$213	$86	$70	$675
SPLITNOSE	$0	$3	$0	$0	$0
STARRY	$292	$0	$0	$0	$0
VERMILLION	$826	$342	$208	$3,809	$1,247
WIDOW	$406	$939	$133	$3,308	$108
YELLOWEYE	$14,040	$13,022	$17,326	$27,105	$27,092
YELLOWTAIL	$2,298	$887	$1,700	$26,744	$24,718
Total Revenues	$218,806	$253,468	$103,802	$162,150	$112,843

Table 59. Bodega Bay area hook-and-line caught rockfish landings and revenues, 1991-95.

Market Category	Year 1991	1992	1993	1994	1995
			Landings (MT)		
BANK	0.00	0.05	5.04	0.00	0.00
BLACK	0.70	3.24	1.83	7.22	1.80
BLACKGILL	0.00	0.97	0.00	8.86	1.70
BLUE	0.52	0.00	0.00	0.23	0.88
BOCACCIO	4.24	19.90	74.53	8.40	8.46
BROWN	0.00	0.48	0.99	0.32	0.17
CA SCORPIONFISH	0.00	0.00	0.00	0.00	0.00
CHAMELEON	0.00	0.00	0.00	0.00	0.00
CHILIPEPPER	3.16	232.68	163.20	154.07	63.71
CHINA	0.00	0.03	0.09	9.80	11.86
COPPER	0.29	0.77	0.39	4.70	5.23
COWCOD	0.02	0.01	0.12	0.00	0.00
GOPHER	0.00	0.00	0.00	0.16	0.85
GREENSPOTTED	0.00	0.00	0.00	0.72	0.00
GREENSTRIPED	0.00	0.02	0.00	0.00	0.01
GROUP BOLINA	22.93	26.89	7.97	4.53	3.70
GROUP GOPHER	3.34	2.74	0.92	2.29	4.33
GROUP RED	17.99	31.89	21.34	6.58	4.37
GROUP ROSEFISH	0.01	0.08	0.11	0.00	0.00
GROUP SMALL REDS	2.17	5.60	7.52	2.96	2.45
GRP BOCACCIO/CHILI	1.04	0.00	0.75	0.00	0.00
KELP	0.00	0.00	0.00	0.26	0.03
CANARY	0.00	0.02	0.45	3.02	1.03
PINKROSE	0.00	0.00	0.00	0.21	0.00
REDBANDED	0.00	0.32	0.00	0.00	0.00
ROCKFISH	89.24	295.65	288.08	24.72	10.26
VERMILLION	0.00	0.00	0.00	1.03	0.03
WHITEBELLY	0.41	0.05	0.00	0.00	0.00
WIDOW	0.44	5.85	10.98	16.48	9.02
YELLOWEYE	0.25	0.05	0.44	0.57	0.02
YELLOWTAIL	2.01	4.45	6.94	6.12	6.83

Table 59. continued

Total Landings	148.76	631.73	591.67	263.22	136.73
	Exvessel Revenues (1991 $)				
BANK	$0	$49	$4,038	$0	$0
BLACK	$423	$1,541	$1,158	$4,731	$1,869
BLACKGILL	$0	$936	$0	$8,464	$1,821
BLUE	$287	$0	$1	$402	$1,199
BOCACCIO	$5,293	$21,779	$68,043	$8,777	$8,295
BROWN	$0	$506	$910	$817	$583
CA SCORPIONFISH	$0	$0	$0	$1	$0
CHAMELEON	$0	$2	$0	$0	$0
CHILIPEPPER	$3,570	$177,033	$141,668	$144,025	$65,094
CHINA	$1	$32	$521	$40,073	$49,622
COPPER	$318	$901	$527	$18,796	$22,308
COWCOD	$21	$11	$112	$0	$0
GOPHER	$0	$0	$0	$697	$2,496
GREENSPOTTED	$0	$0	$0	$1,915	$0
GREENSTRIPED	$0	$14	$0	$0	$5
GROUP BOLINA	$43,545	$48,923	$15,344	$30,341	$12,952
GROUP GOPHER	$5,333	$4,219	$1,434	$11,171	$18,911
GROUP RED	$23,451	$34,482	$27,481	$12,327	$6,982
GROUP ROSEFISH	$15	$77	$109	$0	$0
GROUP SMALL REDS	$1,605	$3,472	$3,287	$2,986	$2,700
GRP BOCACCIO/CHILI	$1,296	$0	$1,017	$0	$0
KELP	$0	$0	$0	$295	$48
CANARY	$1	$27	$695	$5,110	$1,483
PINKROSE	$0	$0	$0	$218	$0
REDBANDED	$0	$421	$0	$0	$0
ROCKFISH	$110,320	$262,161	$284,869	$31,492	$229,506
VERMILLION	$0	$0	$7	$1,948	$29
WHITEBELLY	$404	$52	$0	$0	$0
WIDOW	$586	$6,067	$9,228	$16,009	$8,385
YELLOWEYE	$358	$95	$456	$1,336	$33
YELLOWTAIL	$1,675	$2,358	$6,656	$6,317	$6,851

Table 59. continued

Total Revenues	$198,502	$565,161	$567,561	$348,247	$441,174

Table 60. San Francisco area hook-and-line caught rockfish landings and revenues, 1991-95.

Market Category	1991	1992	1991 1993	1994	1995
			Landings (MT)		
BANK	5.62	0.57	0.00	1.10	0.00
BLACK	4.73	6.56	9.81	10.91	7.00
BLACK-AND-YELLOW	0.00	0.00	0.04	0.00	0.00
BLACKGILL	0.00	1.26	1.14	6.82	5.81
BLUE	0.64	2.64	1.83	2.01	2.50
BOCACCIO	36.64	60.20	16.28	14.12	7.20
BROWN	0.00	0.09	0.00	1.86	0.34
CA SCORPIONFISH	0.00	0.01	0.00	0.00	0.00
CHILIPEPPER	149.14	386.44	133.62	161.71	115.83
CHINA	3.73	1.38	2.14	7.54	4.11
COPPER	0.31	1.48	1.37	6.25	9.98
COWCOD	0.19	0.07	0.00	0.00	0.00
FLAG	0.00	0.00	0.06	0.00	0.00
GOPHER	0.00	0.00	0.00	0.27	0.31
GRASS	0.00	0.09	0.00	0.03	0.03
GREENSPOTTED	0.00	0.12	0.14	3.24	0.47
GREENSTRIPED	0.00	0.00	0.01	0.00	0.00
GROUP BLUE/BLACK	0.00	0.00	0.00	1.10	0.16
GROUP BOLINA	44.81	25.17	25.66	16.32	13.16
GROUP DEEP REDS	0.00	0.00	0.00	0.00	0.00
GROUP GOPHER	3.11	2.70	6.83	6.47	4.01
GROUP RED	138.40	119.06	85.47	73.25	20.26
GROUP ROSEFISH	6.79	16.73	0.31	0.06	0.00
GROUP SMALL REDS	18.75	7.68	8.59	15.20	6.72
GRP BOCACCIO/CHILI	0.18	0.00	0.00	0.00	0.00
GRP CANARY/VERMILLION	0.00	0.00	0.00	0.07	0.00
KELP	0.00	0.00	0.01	0.03	0.03
CANARY	0.00	1.70	4.03	13.53	12.91
OLIVE	0.00	0.00	0.00	0.03	0.09
PINKROSE	0.00	0.00	0.00	0.24	0.03
QUILLBACK	0.00	0.00	0.00	0.28	1.14

Table 60. continued

ROCKFISH	251.86	211.52	129.14	31.71	19.52
ROSY	0.00	0.00	0.00	0.00	0.05
STARRY	0.00	2.49	0.95	0.69	0.00
VERMILLION	0.00	0.26	0.03	10.77	11.15
WHITEBELLY	0.00	0.09	0.00	0.00	0.00
WIDOW	7.32	63.28	7.94	8.88	3.69
YELLOWEYE	5.64	4.64	2.15	5.73	0.74
YELLOWTAIL	70.31	117.70	23.73	55.19	41.18
Total Landings	748.16	1033.94	461.24	455.41	288.42
		Exvessel Revenues (1991 $)			
BANK	$5,040	$414	$0	$1,165	$0
BLACK	$6,627	$6,896	$11,759	$13,613	$8,915
BLACK-AND-YELLOW	$0	$0	$38	$1	$0
BLACKGILL	$0	$1,331	$1,356	$8,895	$5,684
BLUE	$887	$3,049	$2,383	$3,109	$3,995
BOCACCIO	$33,278	$56,470	$15,784	$12,884	$7,847
BROWN	$5	$266	$0	$6,382	$1,107
CA SCORPIONFISH	$0	$10	$0	$1	$0
CHILIPEPPER	$128,350	$306,110	$122,372	$151,577	$111,976
CHINA	$11,872	$5,109	$10,445	$33,054	$14,864
COPPER	$736	$2,545	$2,980	$19,855	$35,577
COWCOD	$280	$133	$0	$0	$0
FLAG	$0	$7	$98	$0	$0
GOPHER	$0	$9	$5	$1,185	$1,715
GRASS	$0	$292	$31	$235	$168
GREENSPOTTED	$0	$131	$202	$7,257	$896
GREENSTRIPED	$0	$0	$6	$0	$0
GROUP BLUE/BLACK	$0	$0	$0	$1,908	$352
GROUP BOLINA	$145,937	$94,294	$112,637	$77,201	$65,452
GROUP DEEP REDS	$0	$0	$0	$0	$0
GROUP GOPHER	$7,598	$8,047	$27,763	$24,065	$17,411
GROUP RED	$217,713	$198,734	$152,100	$111,430	$37,828
GROUP ROSEFISH	$6,449	$18,224	$364	$65	$0

Table 60. continued

GROUP SMALL REDS	$14,157	$5,900	$10,815	$14,136	$6,757
GRP BOCACCIO/CHILI	$256	$0	$0	$0	$0
GRP CANARY/VERMILLION	$0	$0	$0	$107	$0
KELP	$0	$0	$13	$45	$39
CANARY	$0	$2,843	$6,221	$23,357	$22,958
OLIVE	$5	$0	$0	$32	$127
PINKROSE	$0	$0	$0	$272	$52
QUILLBACK	$0	$0	$0	$1,391	$5,602
ROCKFISH	$332,828	$310,398	$257,454	$46,208	$40,336
ROSY	$0	$0	$0	$0	$59
STARRY	$0	$4,418	$1,728	$804	$0
VERMILLION	$0	$369	$46	$18,054	$18,395
WHITEBELLY	$0	$162	$0	$0	$0
WIDOW	$7,140	$48,028	$7,871	$8,363	$3,939
YELLOWEYE	$10,231	$10,312	$4,536	$11,320	$1,650
YELLOWTAIL	$62,698	$118,845	$28,069	$56,555	$44,080
Grand Total	$992,086	$1,203,344	$777,074	$654,526	$457,781

Table 61. Monterey area hook-and-line caught rockfish landings and revenues, 1991-95.

Market Category	Year 1991	1992	1993	1994	1995
	Landings (MT)				
BANK	0.00	0.69	0.47	0.00	0.00
BLACK	0.00	0.06	0.03	2.86	1.25
BLACKGILL	0.00	0.14	0.00	0.13	6.70
BLUE	2.23	2.95	2.61	8.87	3.79
BOCACCIO	7.95	31.19	6.85	9.69	2.85
BRONZESPOTTED	0.00	0.01	0.00	0.03	0.00
BROWN	0.23	0.23	0.35	0.82	0.00
CHILIPEPPER	19.88	70.82	69.57	55.51	37.93
CHINA	0.01	0.00	0.07	3.48	3.06
COPPER	0.02	0.13	0.00	1.61	3.77
COWCOD	0.00	0.00	0.02	0.00	0.12
GOPHER	0.00	0.30	0.05	0.72	0.00
GRASS	0.01	0.02	0.00	0.09	0.23
GREENSPOTTED	0.00	0.00	0.00	0.17	0.06
GREENSTRIPED	0.00	0.00	0.06	0.03	0.12
GROUP BOLINA	6.42	0.51	0.94	0.50	0.90
GROUP DEEP REDS	0.00	0.07	0.00	0.00	0.00
GROUP GOPHER	19.42	10.33	16.20	18.94	13.54
GROUP RED	26.71	19.49	30.25	29.84	12.32
GROUP ROSEFISH	0.14	0.08	0.12	0.00	0.14
GROUP SMALL REDS	11.06	1.70	1.95	3.67	3.37
GRP BOCACCIO/CHILI	0.26	0.00	0.00	0.00	0.00
KELP	0.00	0.00	0.00	0.09	0.13
CANARY	0.00	0.00	0.08	0.14	2.25
OLIVE	0.00	0.00	0.00	0.00	0.01
PINKROSE	0.00	0.00	0.00	0.03	0.00
ROCKFISH	168.76	101.59	80.18	24.92	14.67
SHORTBELLY	0.00	0.00	0.00	0.01	0.00
VERMILLION	0.00	0.00	0.76	4.34	3.93
WIDOW	3.91	2.18	1.31	2.76	2.64
YELLOWEYE	0.34	0.57	0.06	0.52	1.03

Table 61. continued

YELLOWTAIL	1.17	1.78	1.63	22.14	15.26
Total Landings	268.51	244.82	213.55	191.89	130.05
	Exvessel Revenues (1991 $)				
BANK	$0	$442	$493	$0	$0
BLACK	$0	$39	$27	$2,391	$1,644
BLACKGILL	$0	$117	$2	$195	$7,400
BLUE	$1,713	$1,774	$1,967	$11,366	$5,002
BOCACCIO	$6,946	$28,410	$7,590	$9,817	$2,862
BRONZESPOTTED	$0	$3	$0	$16	$0
BROWN	$175	$192	$369	$923	$0
CHILIPEPPER	$17,729	$60,444	$64,712	$51,658	$40,742
CHINA	$21	$2	$130	$10,596	$9,038
COPPER	$29	$109	$7	$5,500	$8,936
COWCOD	$0	$0	$62	$0	$297
GOPHER	$0	$809	$144	$2,140	$0
GRASS	$18	$10	$0	$182	$1,276
GREENSPOTTED	$0	$0	$0	$881	$79
GREENSTRIPED	$0	$0	$79	$28	$109
GROUP BOLINA	$11,972	$1,081	$1,576	$1,086	$1,905
GROUP DEEP REDS	$0	$111	$0	$0	$0
GROUP GOPHER	$57,169	$30,225	$49,879	$52,495	$41,351
GROUP RED	$51,990	$40,508	$60,501	$52,966	$26,866
GROUP ROSEFISH	$76	$76	$75	$0	$279
GROUP SMALL REDS	$7,515	$1,079	$1,983	$4,141	$3,442
GRP BOCACCIO/CHILI	$273	$0	$0	$0	$0
KELP	$0	$0	$0	$150	$217
CANARY	$0	$0	$160	$276	$5,757
OLIVE	$0	$0	$0	$0	$11
PINKROSE	$0	$0	$0	$38	$0
ROCKFISH	$188,209	$118,201	$94,317	$38,007	$19,104
SHORT BELLY	$0	$0	$0	$6	$0
VERMILLION	$0	$0	$1,480	$8,979	$9,772

Table 61. continued

WIDOW	$2,758	$1,922	$1,015	$4,445	$2,418
YELLOWEYE	$715	$1,324	$98	$1,090	$2,298
YELLOWTAIL	$1,124	$1,906	$1,682	$24,403	$22,755
Grand Total	$348,432	$288,782	$288,347	$283,874	$213,563

Table 62. Morro Bay area hook-and-line caught rockfish landings and revenues, 1991-95.

Market Category	Year 1991	1992	1993	1994	1995
			Landings (MT)		
BANK	0.00	0.02	0.00	0.00	0.00
BLACK	0.01	0.16	0.63	0.60	0.78
BLACKGILL	10.98	5.82	1.58	21.42	9.00
BLUE	3.06	1.21	3.80	0.50	0.84
BOCACCIO	12.55	34.68	11.83	21.26	14.10
BRONZESPOTTED	0.00	0.00	0.01	0.00	0.00
BROWN	0.00	0.57	0.00	0.00	0.00
CA SCORPIONFISH	0.00	0.03	0.23	0.97	0.00
CHILIPEPPER	11.60	12.55	6.09	25.22	21.57
CHINA	0.03	0.73	0.33	1.04	1.37
COPPER	0.00	0.01	1.20	3.75	2.18
COWCOD	0.00	0.00	0.08	0.04	0.08
FLAG	0.00	0.00	0.00	0.00	0.00
GOPHER	0.00	0.78	0.09	1.71	4.19
GRASS	1.64	3.26	9.46	20.26	28.71
GREENSPOTTED	0.00	0.00	0.10	0.03	0.00
GREENSTRIPED	0.00	0.00	0.00	0.55	0.02
GROUP BOLINA	3.39	5.32	7.18	6.11	2.73
GROUP GOPHER	42.14	42.28	34.66	31.30	46.94
GROUP RED	116.55	115.90	113.96	82.83	45.03
GROUP ROSEFISH	0.54	1.34	0.83	0.00	0.03
GROUP SMALL REDS	10.70	35.94	30.71	22.55	10.30
GRP BOCACCIO/CHILI	0.20	0.00	0.04	0.00	0.00
KELP	0.00	0.03	2.53	2.45	1.98
CANARY	0.00	0.00	0.00	0.51	0.36
OLIVE	0.00	0.27	0.21	0.03	0.01
ROCKFISH	123.95	170.33	149.56	30.34	19.33
SPECKLED	0.00	0.00	0.00	0.01	0.01
STARRY	0.03	0.00	0.00	0.00	0.00
TREEFISH	0.00	0.01	0.01	0.04	0.09
VERMILLION	0.00	0.00	0.00	0.00	0.09

Table 62. continued

WHITEBELLY	1.16	0.68	0.00	0.00	0.00
WIDOW	0.00	0.02	0.18	0.48	0.11
YELLOWEYE	0.00	0.00	0.00	0.00	0.02
YELLOWTAIL	0.00	0.38	0.18	6.08	4.69
Total Landings	338.54	432.29	375.48	280.09	214.55
			Exvessel Revenues (1991 $)		
BANK	$0	$19	$0	$0	$0
BLACK	$8	$133	$650	$741	$705
BLACKGILL	$13,061	$6,744	$1,690	$24,281	$11,554
BLUE	$1,934	$726	$3,323	$473	$934
BOCACCIO	$12,144	$33,683	$12,274	$21,738	$13,731
BRONZESPOTTED	$2	$0	$10	$0	$0
BROWN	$3	$861	$0	$0	$14
CA SCORPIONFISH	$0	$170	$955	$7,206	$0
CHILIPEPPER	$12,326	$13,516	$6,402	$27,894	$25,812
CHINA	$259	$2,490	$1,348	$4,358	$6,391
COPPER	$0	$23	$3,481	$14,300	$8,437
COWCOD	$0	$0	$195	$148	$251
FLAG	$0	$0	$0	$2	$0
GOPHER	$4	$3,751	$476	$8,924	$85,277
GRASS	$3,616	$13,195	$64,151	$167,998	$280,509
GREENSPOTTED	$0	$0	$247	$83	$0
GREENSTRIPED	$0	$0	$0	$339	$21
GROUP BOLINA	$7,061	$14,097	$24,774	$16,107	$6,222
GROUP GOPHER	$115,734	$148,186	$119,459	$134,618	$248,024
GROUP RED	$312,097	$301,079	$317,119	$231,957	$124,718
GROUP ROSEFISH	$421	$691	$1,645	$1	$102
GROUP SMALL REDS	$8,773	$25,540	$44,625	$52,814	$17,562
GRP BOCACCIO/CHILI	$212	$0	$33	$0	$0
KELP	$0	$32	$5,268	$8,528	$4,584
CANARY	$0	$0	$1	$1,212	$286
OLIVE	$0	$301	$263	$45	$9
ROCKFISH	$234,696	$352,529	$380,540	$56,043	$45,387

Table 62. continued

SPECKLED	$0	$0	$0	$10	$9
STARRY	$37	$0	$0	$2	$2
TREEFISH	$0	$34	$42	$275	$1,141
VERMILLION	$0	$7	$1	$8	$219
WHITEBELLY	$1,753	$1,035	$0	$0	$0
WIDOW	$4	$34	$179	$638	$123
YELLOWEYE	$0	$0	$3	$0	$138
YELLOWTAIL	$0	$329	$195	$6,280	$4,753
Total Revenues	$724,145	$919,206	$989,348	$787,024	$886,915

Table 63. Santa Barbara area hook-and-line caught rockfish landings and revenues,1991-95.

Market Category	1991	1992	1991 1993	1994	1995
			Landings (MT)		
AURORA	0.00	0.00	0.15	0.00	0.00
BANK	0.00	0.00	0.00	0.00	0.54
BLACK	0.04	0.00	0.00	0.05	0.00
BLACKGILL	97.67	157.79	117.00	62.03	37.26
BLUE	0.02	0.17	0.93	0.00	0.09
BOCACCIO	15.33	162.39	125.28	62.21	43.93
BROWN	0.00	0.09	0.00	0.00	0.11
CA SCORPIONFISH	0.42	0.11	0.31	0.21	0.34
CHILIPEPPER	8.38	6.89	2.73	1.33	1.45
CHINA	1.41	0.00	0.00	0.18	0.00
COPPER	0.06	0.35	1.92	5.79	4.45
COWCOD	1.91	1.04	1.40	4.23	6.50
FLAG	0.00	0.00	0.00	0.08	0.00
GOPHER	0.00	0.01	0.02	7.44	0.99
GRASS	0.00	0.10	0.16	11.29	15.06
GREENSTRIPED	0.47	0.75	0.35	0.25	0.01
GROUP BOLINA	2.26	1.14	1.28	2.27	0.07
GROUP DEEP REDS	0.00	0.00	0.00	0.08	0.00
GROUP GOPHER	0.05	0.23	0.28	0.64	0.71
GROUP RED	90.92	87.41	90.97	171.55	188.30
GROUP SMALL REDS	0.02	0.02	1.24	0.80	1.23
GRP BOCACCIO/CHILI	0.76	0.72	0.09	0.00	0.00
KELP	0.00	0.00	0.02	0.08	0.09
PINKROSE	0.00	0.01	0.01	0.10	0.00
REDBANDED	0.00	0.00	0.02	0.03	0.03
ROCKFISH	311.82	249.66	229.37	22.24	32.10
SPLITNOSE	0.06	0.00	0.00	0.04	0.00
STARRY	3.63	1.57	2.69	1.23	1.12
TREEFISH	0.00	0.00	0.00	0.01	0.00
VERMILLION	0.01	0.00	0.00	0.20	0.16
WHITEBELLY	2.54	1.90	0.00	0.00	0.00

Table 63. continued

WIDOW	0.00	0.07	1.23	5.83	0.94
YELLOWEYE	0.74	0.12	0.00	0.07	0.10
YELLOWTAIL	0.00	0.00	2.53	2.30	1.39
Total Landings	538.52	672.53	579.97	362.57	336.96
			Exvessel Revenues (1991 $)		
AURORA	$0	$0	$456	$0	$0
BANK	$0	$0	$0	$0	$427
BLACK	$40	$0	$0	$117	$0
BLACKGILL	$150,417	$186,276	$151,295	$95,982	$58,841
BLUE	$22	$170	$1,476	$8	$71
BOCACCIO	$15,474	$124,449	$90,808	$44,860	$38,404
BROWN	$0	$179	$0	$0	$226
CA SCORPIONFISH	$306	$474	$1,716	$510	$1,128
CHILIPEPPER	$8,969	$5,609	$3,606	$1,056	$1,382
CHINA	$4,986	$0	$0	$782	$0
COPPER	$185	$898	$4,041	$18,859	$10,016
COWCOD	$6,072	$3,329	$4,386	$9,849	$12,973
FLAG	$0	$0	$0	$219	$0
GOPHER	$0	$40	$69	$13,680	$3,816
GRASS	$0	$729	$1,201	$92,942	$145,221
GREENSTRIPED	$523	$730	$423	$405	$27
GROUP BOLINA	$6,449	$2,502	$3,427	$4,202	$174
GROUP DEEP REDS	$0	$0	$0	$211	$0
GROUP GOPHER	$134	$467	$723	$1,373	$2,438
GROUP RED	$291,940	$268,509	$271,638	$322,603	$381,158
GROUP SMALL REDS	$98	$23	$866	$1,774	$2,245
GRP BOCACCIO/CHILI	$869	$620	$47	$0	$0
KELP	$0	$0	$61	$244	$102
PINKROSE	$0	$18	$15	$147	$0
REDBANDED	$0	$0	$48	$70	$65
ROCKFISH	$485,620	$455,680	$429,241	$71,713	$85,359
SPLITNOSE	$106	$0	$0	$83	$0
STARRY	$12,730	$5,188	$8,953	$4,276	$2,606

Table 63. continued

TREEFISH	$0	$0	$0	$49	$0
VERMILLION	$7	$0	$0	$660	$634
WHITEBELLY	$4,820	$3,358	$0	$0	$0
WIDOW	$0	$71	$697	$3,575	$664
YELLOWEYE	$2,510	$389	$0	$234	$250
YELLOWTAIL	$0	$0	$1,470	$1,580	$1,109
Total Revenues	$992,274	$1,059,706	$976,662	$692,065	$749,335

Table 64. Los Angeles area hook-and-line caught rockfish landings and revenues, 1991-95.

Market Category	1991	1992	1991 1993	1994	1995
			Landings (MT)		
BLACK	0.17	0.47	0.36	0.00	0.07
BLACKGILL	69.46	30.90	17.66	88.37	71.16
BLUE	0.00	0.00	0.29	0.00	0.06
BOCACCIO	3.77	36.34	37.15	39.89	32.47
BROWN	0.00	0.00	0.00	0.00	0.05
CA SCORPIONFISH	14.79	16.79	8.42	12.33	12.80
CHILIPEPPER	0.19	3.46	1.43	1.20	0.55
CHINA	0.00	0.00	0.00	0.00	0.00
COPPER	0.00	0.00	0.62	0.33	1.06
COWCOD	1.81	2.57	2.37	4.82	6.98
GOPHER	0.00	0.00	0.00	3.00	0.77
GRASS	0.00	0.00	0.44	0.00	0.00
GROUP BOLINA	0.26	0.13	0.14	0.20	0.08
GROUP RED	31.10	38.16	26.69	38.78	43.38
GROUP ROSEFISH	0.00	0.00	0.00	0.03	0.12
GROUP SMALL REDS	0.00	0.02	0.00	1.82	0.71
CANARY	0.00	0.00	0.03	0.00	0.00
ROCKFISH	75.56	35.02	37.54	36.07	23.00
ROSY	0.00	0.00	0.00	0.01	0.00
STARRY	9.14	8.52	8.25	7.13	0.80
TREEFISH	0.00	0.00	0.00	0.01	0.00
VERMILLION	0.00	0.00	0.00	0.00	0.15
WHITEBELLY	0.03	0.00	0.00	0.00	0.00
WIDOW	0.00	0.00	0.00	0.09	0.00
GRP BOCACCIO/CHILIPEPPER					
Total Landings	207.03	172.38	141.39	234.06	194.20
			Exvessel Revenues (1991 $)		
BLACK	$260	$1,188	$1,157	$0	$114
BLACKGILL	$95,954	$38,847	$23,532	$124,493	$90,750
BLUE	$0	$0	$1,613	$0	$61

Table 64. continued

BOCACCIO	$7,265	$45,988	$43,498	$45,669	$41,306
BROWN	$0	$0	$0	$0	$109
CA SCORPIONFISH	$72,710	$80,352	$31,615	$41,874	$41,692
CHILIPEPPER	$280	$3,501	$3,628	$1,859	$853
CHINA	$0	$2	$0	$0	$0
COPPER	$0	$0	$1,382	$666	$2,375
COWCOD	$6,404	$8,684	$8,215	$13,404	$20,619
GOPHER	$0	$0	$0	$4,269	$1,516
GRASS	$0	$0	$1,847	$0	$0
GROUP BOLINA	$733	$280	$308	$308	$154
GROUP RED	$95,580	$114,578	$83,256	$101,527	$120,859
GROUP ROSEFISH	$0	$0	$0	$70	$251
GROUP SMALL REDS	$0	$27	$0	$5,044	$1,815
CANARY	$0	$0	$92	$0	$0
ROCKFISH	$172,097	$88,719	$93,849	$74,304	$55,320
ROSY	$0	$0	$0	$10	$0
STARRY	$34,421	$32,456	$28,042	$18,121	$2,606
TREEFISH	$0	$0	$0	$8	$0
VERMILLION	$0	$0	$0	$0	$497
WHITEBELLY	$57	$0	$0	$0	$0
WIDOW	$0	$0	$0	$190	$0
GRP	$973	$0	$0	$0	$0
Total Revenues	$486,735	$414,623	$322,033	$431,816	$380,898

Table 65. San Diego area hook-and-line caught rockfish landings and revenues, 1991-95.

Market Category	1991	1992	1991 1993	1994	1995
			Landings (MT)		
BANK	0.00	0.02	0.11	0.29	0.08
BLACK	0.00	0.08	0.00	0.00	0.00
BLACKGILL	24.44	45.91	21.59	56.58	23.69
BLUE	0.38	0.00	0.39	0.00	0.00
BOCACCIO	0.83	1.98	3.51	4.67	1.13
CA SCORPIONFISH	3.16	3.32	2.64	13.68	6.05
CHILIPEPPER	0.18	0.07	0.54	1.71	2.82
COWCOD	1.23	0.36	0.66	1.14	0.46
GOPHER	0.00	0.00	0.00	0.55	0.08
GREENSTRIPED	0.00	0.00	0.00	0.00	0.00
GROUP BOLINA	0.05	0.00	0.00	0.00	0.00
GROUP GOPHER	0.00	0.00	0.00	0.00	0.00
GROUP RED	13.25	11.09	13.22	13.71	12.89
GROUP SMALL REDS	0.01	0.00	0.00	0.00	0.00
GRP BOCACCIO/CHILI	0.40	0.00	0.00	0.00	0.00
ROCKFISH	44.30	76.26	52.19	14.28	17.85
ROSY	0.00	0.00	0.00	0.24	0.00
SPLITNOSE	0.00	0.17	0.00	0.00	0.00
STARRY	0.11	0.00	0.06	0.00	0.00
VERMILLION	0.00	0.00	0.00	0.15	0.07
WHITEBELLY	0.22	0.00	0.00	0.00	0.00
Total Landings	88.56	139.26	94.91	107.01	65.12
			Exvessel Revenues (1991 $)		
BANK	$0	$37	$155	$411	$117
BLACK	$0	$86	$0	$0	$0
BLACKGILL	$44,200	$69,928	$38,899	$91,864	$41,507
BLUE	$834	$0	$778	$0	$0
BOCACCIO	$1,326	$3,244	$5,557	$6,928	$1,468

Table 65. Continued

CA SCORPIONFISH	$8,674	$8,679	$6,532	$36,630	$15,369
CHILIPEPPER	$325	$105	$864	$2,701	$4,406
COWCOD	$4,353	$1,233	$2,039	$2,875	$1,189
GOPHER	$0	$0	$0	$1,133	$190
GREENSTRIPED	$0	$0	$2	$0	$0
GROUP BOLINA	$131	$0	$0	$0	$0
GROUP GOPHER	$0	$0	$6	$0	$0
GROUP RED	$36,012	$31,790	$36,023	$33,320	$31,307
GROUP SMALL REDS	$17	$0	$0	$0	$1
GRP BOCACCIO/CHILI	$613	$0	$0	$0	$0
ROCKFISH	$88,589	$151,610	$102,526	$33,899	$37,420
ROSY	$0	$0	$0	$425	$0
SPLITNOSE	$0	$330	$0	$0	$0
STARRY	$446	$0	$154	$0	$0
VERMILLION	$0	$0	$0	$210	$226
WHITEBELLY	$340	$0	$0	$0	$0
Total Revenues	$185,859	$267,042	$193,534	$210,398	$133,201

Table 66. San Francisco area gill net caught rockfish landings and revenues, 1991-95.

SPECIES	Year 1991	1992	1993	1994	1995
			Landings (MT)		
BANK	20.28	1.20	0.00	2.89	3.73
BLACK	0.00	0.00	0.11	0.02	0.29
BLACKGILL	0.00	0.00	0.01	0.00	0.46
BLUE	0.00	0.00	0.00	0.00	0.01
BOCACCIO	65.59	33.22	25.53	14.40	18.86
CHILIPEPPER	59.66	43.90	16.48	14.94	24.58
CHINA	0.00	0.00	0.42	0.00	0.00
COPPER	0.00	0.00	0.00	0.00	0.01
COWCOD	0.11	0.05	0.00	0.02	0.01
GOPHER	0.00	0.00	0.00	0.00	0.03
GREENSPOTTED	0.00	0.00	0.00	0.06	0.44
GROUP BOLINA	0.23	0.11	0.00	0.00	0.00
GROUP GOPHER	0.03	0.00	0.00	0.00	0.00
GROUP RED	6.17	1.96	5.67	1.76	1.20
GROUP ROSEFISH	13.62	7.03	0.51	0.28	1.07
GROUP SMALL REDS	5.68	0.15	0.24	0.11	0.08
NOMINAL CANARY	0.00	0.00	0.00	0.05	0.68
PINKROSE	0.00	0.00	0.00	0.66	0.26
ROCKFISH	97.50	19.10	31.45	8.19	0.44
VERMILLION	0.00	0.00	0.00	1.21	0.97
WIDOW	80.27	28.70	8.33	21.13	30.39
YELLOWEYE	0.00	0.00	0.00	0.09	0.04
YELLOWTAIL	0.87	1.97	17.26	13.18	14.01
Total Landings	350.02	137.38	106.01	78.98	97.52
			Exvessel Revenues (1991 $)		
BANK	$15,927	$897	$0	$2,947	$2,970
BLACK	$0	$0	$107	$15	$231
BLACKGILL	$0	$0	$8	$0	$369
BLUE	$0	$0	$0	$0	$8
BOCACCIO	$51,445	$28,483	$14,164	$13,667	$20,514

Table 66. continued

CHILIPEPPER	$46,617	$36,543	$14,164	$13,667	$20,514
CHINA	$0	$0	$393	$0	$0
COPPER	$0	$0	$0	$0	$38
COWCOD	$103	$40	$3	$19	$4
GOPHER	$0	$0	$0	$0	$182
GREENSPOTTED	$0	$0	$0	$124	$269
GROUP BOLINA	$180	$97	$0	$0	$0
GROUP GOPHER	$45	$0	$0	$0	$0
GROUP RED	$6,745	$2,533	$8,206	$2,166	$1,537
GROUP ROSEFISH	$8,946	$4,063	$299	$213	$851
GROUP SMALL REDS	$4,217	$95	$121	$82	$63
NOMINAL CANARY	$0	$0	$0	$94	$864
PINKROSE	$0	$0	$0	$405	$235
ROCKFISH	$79,309	$15,788	$27,857	$7,998	$380
VERMILLION	$0	$0	$0	$2,181	$1,268
WIDOW	$60,464	$20,769	$6,534	$18,137	$26,562
YELLOWEYE	$0	$0	$0	$218	$58
YELLOWTAIL	$614	$1,084	$15,515	$12,520	$12,310
Total Revenues	$274,610	$110,930	$95,574	$73,873	$84,914

Table 67. Monterey area gill net caught rockfish landings and revenues, 1991-95.

SPECIES	Year 1991	1992	1993	1994	1995
	Landings (MT)				
BANK	2.25	7.02	25.67	9.92	4.98
BLACK	0.00	2.16	0.00	0.10	0.25
BLACKGILL	0.00	0.00	1.03	0.19	0.02
BLUE	0.00	0.00	0.00	0.03	0.00
BOCACCIO	65.95	195.05	86.96	83.01	98.73
BROWN	0.00	0.00	1.44	0.25	0.00
CHILIPEPPER	27.45	184.79	47.88	50.72	47.69
COWCOD	0.05	0.01	0.08	1.69	0.32
GRASS	0.00	1.55	0.00	0.00	0.00
GROUP BOLINA	0.03	0.00	0.00	0.00	0.00
GROUP DEEP REDS	0.01	0.00	0.00	0.00	0.00
GROUP GOPHER	0.00	0.00	0.00	0.03	0.01
GROUP RED	13.41	11.18	8.26	2.74	7.36
GROUP ROSEFISH	41.93	14.87	12.64	1.97	2.57
GROUP SMALL REDS	2.86	0.26	1.32	1.05	2.35
GRP BOCACCIO/CHILI	0.74	0.00	0.00	0.00	0.00
CANARY	0.00	0.00	0.00	0.27	0.55
PINKROSE	0.00	0.00	0.00	0.00	0.23
QUILLBACK	0.00	0.00	0.00	0.00	0.55
ROCKFISH	273.87	106.49	56.53	9.12	15.91
VERMILLION	0.00	0.00	0.00	0.55	0.85
WIDOW	25.52	14.89	27.67	24.49	24.45
YELLOWTAIL	0.71	0.00	0.97	0.56	0.76
Total Landings	454.77	538.26	270.44	186.69	207.55
	Exvessel Revenues (1991 $)				
BANK	$1,983	$5,674	$23,525	$8,909	$4,597

Table 68. continued

BLACK	$0	$1,717	$0	$85	$225
BLACKGILL	$0	$0	$860	$172	$21
BLUE	$0	$0	$0	$22	$0
BOCACCIO	$56,301	$154,410	$74,963	$75,335	$92,366
BROWN	$0	$0	$902	$158	$0
CHILIPEPPER	$22,603	$146,087	$43,721	$45,146	$44,004
COWCOD	$68	$6	$70	$1,765	$481
GRASS	$0	$664	$0	$0	$0
GROUP BOLINA	$40	$0	$0	$0	$0
GROUP DEEP REDS	$8	$0	$0	$0	$0
GROUP GOPHER	$0	$0	$0	$92	$22
GROUP RED	$17,079	$15,754	$13,611	$4,431	$12,615
GROUP ROSEFISH	$22,770	$8,191	$7,251	$1,128	$1,920
GROUP SMALL REDS	$1,897	$166	$856	$797	$1,987
GRP BOCACCIO/CHILI	$583	$0	$0	$0	$0
CANARY	$0	$0	$0	$334	$727
PINKROSE	$0	$0	$0	$0	$201
QUILLBACK	$0	$0	$0	$0	$326
ROCKFISH	$233,591	$86,109	$51,390	$8,559	$14,381
VERMILLION	$0	$0	$0	$696	$1,101
WIDOW	$20,575	$11,169	$22,765	$21,508	$23,082
YELLOWTAIL	$545	$0	$877	$517	$797
Total Revenues	$378,042	$429,948	$240,791	$169,654	$198,854

Table 68. Morro Bay area gill net caught rockfish landings and revenues, 1991-95.

SPECIES	Year				
	1991	1992	1993	1994	1995
	Landings (MT)				
BANK	0.00	0.00	0.30	0.90	5.38
BLACKGILL	0.14	0.00	0.00	0.57	0.00
BLUE	0.00	0.00	0.29	0.00	0.00
BOCACCIO	24.65	83.63	65.20	60.07	51.36
BROWN	0.00	0.29	0.00	0.01	0.00
CA SCORPIONFISH	0.01	0.00	0.00	0.00	0.00
CHILIPEPPER	4.56	10.38	3.90	17.31	9.61
COPPER	0.00	0.00	0.00	0.00	0.00
COWCOD	0.00	0.61	2.08	0.94	2.47
GOPHER	0.00	0.00	0.00	0.00	0.00
GRASS	0.00	0.00	0.00	0.01	0.09
GROUP BOLINA	0.19	0.70	0.04	0.01	0.00
GROUP GOPHER	0.03	0.04	0.01	0.00	0.06
GROUP RED	11.48	8.17	10.27	9.34	4.20
GROUP ROSEFISH	5.48	5.26	1.54	0.00	0.00
GROUP SMALL REDS	0.25	0.05	0.29	0.12	0.00
KELP	0.00	0.00	0.00	0.00	0.00
ROCKFISH	77.51	162.04	163.03	29.87	5.85
ROSY	0.00	0.13	0.00	0.00	0.00
STARRY	0.01	0.00	0.00	0.00	0.00
WHITEBELLY	0.02	0.00	0.00	0.00	0.00
WIDOW	1.36	0.00	0.21	2.89	2.24
Total Landings	125.68	271.30	247.16	122.03	81.27
	Exvessel Revenues (1991 $)				
BANK	$0	$0	$282	$897	$5,389
BLACKGILL	$151	$0	$0	$579	$0

Table 68. continued

BLUE	$0	$0	$897	$0	$0
BOCACCIO	$17,446	$64,668	$52,306	$52,751	$48,269
BROWN	$0	$193	$0	$11	$0
CA SCORPIONFISH	$21	$0	$0	$8	$11
CHILIPEPPER	$4,539	$10,542	$4,062	$17,593	$9,533
COPPER	$0	$0	$2	$0	$4
COWCOD	$0	$1,217	$4,811	$2,377	$5,315
GOPHER	$0	$3	$0	$0	$0
GRASS	$0	$0	$0	$111	$667
GROUP BOLINA	$250	$619	$38	$5	$0
GROUP GOPHER	$65	$78	$10	$8	$229
GROUP RED	$19,202	$12,968	$19,713	$20,317	$8,536
GROUP ROSEFISH	$2,432	$2,791	$778	$0	$0
GROUP SMALL REDS	$166	$33	$443	$75	$1
KELP	$0	$0	$0	$11	$4
ROCKFISH	$82,842	$169,218	$163,995	$30,073	$5,758
ROSY	$0	$67	$0	$0	$0
STARRY	$8	$0	$0	$0	$0
WHITEBELLY	$39	$1	$0	$0	$0
WIDOW	$1,499	$0	$198	$2,866	$2,230
Total Revenues	$128,659	$262,396	$247,536	$127,684	$85,945

Table 69. Santa Barbara area gill net caught rockfish landings and revenues, 1991-95.

	Year				
SPECIES	1991	1992	1993	1994	1995
	Landings (MT)				
BANK	0.00	0.00	0.00	0.00	6.35
BLACKGILL	17.70	0.00	0.00	0.02	3.51
BOCACCIO	26.88	76.10	76.43	22.26	43.40
BRONZESPOTTED	0.00	0.00	0.00	0.00	0.28
CA SCORPIONFISH	0.31	0.10	2.76	0.13	0.16
CHILIPEPPER	30.64	8.00	0.01	0.00	2.87
COWCOD	0.30	0.25	2.58	0.25	4.64
FLAG	0.00	0.00	0.82	0.00	0.25
GOPHER	0.00	0.00	0.00	0.00	0.00
GRASS	0.00	0.00	0.00	0.00	0.04
GROUP RED	9.78	6.58	8.41	11.65	4.94
GROUP ROSEFISH	0.12	0.00	0.00	0.00	0.00
GRP BOCACCIO/CHILI	0.00	0.00	0.00	0.00	0.00
ROCKFISH	179.96	108.41	59.49	66.69	50.71
WHITEBELLY	0.10	0.00	0.00	0.00	0.00
WIDOW	5.81	1.40	0.00	0.00	0.97
YELLOWTAIL	10.24	0.00	0.00	0.00	0.00
Total Landings	281.82	200.84	150.49	101.00	118.12
	Exvessel Revenues (1991 $)				
BANK	$0	$0	$0	$0	$5,158
BLACKGILL	$14,526	$0	$0	$19	$3,281
BOCACCIO	$24,018	$64,337	$61,641	$17,933	$36,135
BRONZESPOTTED	$0	$0	$0	$0	$567
CA SCORPIONFISH	$602	$150	$1,826	$478	$564
CHILIPEPPER	$25,775	$7,508	$4	$0	$2,611
COWCOD	$264	$535	$6,090	$549	$9,241

Table 69. continued

FLAG	$0	$0	$3,852	$0	$399
GOPHER	$0	$0	$0	$6	$0
GRASS	$0	$0	$0	$0	$432
GROUP RED	$20,972	$10,878	$14,263	$18,610	$9,545
GROUP ROSEFISH	$143	$0	$0	$0	$0
GRP BOCACCIO/CHILI	$2	$0	$0	$0	$0
ROCKFISH	$173,446	$105,120	$52,181	$60,436	$42,859
WHITEBELLY	$157	$0	$0	$0	$0
WIDOW	$4,663	$902	$0	$0	$961
YELLOWTAIL	$9,693	$0	$0	$0	$0
Total Revenues	$274,260	$189,431	$139,856	$98,031	$111,755

Table 70. Los Angeles area gill net caught rockfish landings and revenues, 1991-95.

SPECIES	Year 1991	1992	1993	1994	1995
	Landings (MT)				
BLACKGILL	6.43	17.80	2.62	0.00	3.27
BLUE	0.00	0.02	0.00	0.00	0.00
BOCACCIO	9.64	80.16	77.09	12.79	13.20
CA SCORPIONFISH	2.06	1.97	1.60	1.25	0.45
CHILIPEPPER	3.57	9.32	0.52	0.20	2.01
COWCOD	0.08	1.33	1.34	1.39	0.25
GOPHER	0.00	0.00	0.00	0.01	0.00
GROUP BOLINA	0.00	0.00	0.00	0.01	0.00
GROUP RED	17.30	17.17	8.13	0.14	0.20
OLIVE	0.06	0.00	0.00	0.00	0.00
ROCKFISH	90.65	11.88	8.51	5.27	3.02
SPLITNOSE	0.02	0.01	0.00	0.00	0.00
STARRY	0.85	1.36	0.00	0.00	0.00
WHITEBELLY	0.00	0.01	0.00	0.00	0.00
WIDOW	0.00	0.01	0.00	0.00	2.18
YELLOWTAIL	2.40	0.00	0.00	0.00	0.03
GRP BOCACCIO/CHILIPEPPER	0.02	0.00	0.00	0.00	0.00
Total Landings	133.08	141.05	99.81	21.07	24.62
	Exvessel Revenues (1991 $)				
BLACKGILL	$9,214	$18,727	$2,264	$0	$4,276
BLUE	$0	$19	$0	$0	$0
BOCACCIO	$9,199	$70,143	$70,270	$19,899	$20,400
CA SCORPIONFISH	$3,608	$5,370	$6,045	$4,190	$979
CHILIPEPPER	$3,545	$8,764	$538	$535	$2,006
COWCOD	$281	$3,246	$4,118	$3,776	$718
GOPHER	$0	$0	$0	$7	$0

Table 70. continued

GROUP BOLINA	$0	$0	$0	$23	$0
GROUP RED	$44,355	$37,488	$20,484	$434	$612
OLIVE	$61	$0	$0	$0	$0
ROCKFISH	$95,663	$23,231	$22,066	$7,926	$6,385
SPLITNOSE	$29	$13	$0	$0	$0
STARRY	$2,798	$3,859	$0	$0	$0
WHITEBELLY	$0	$20	$0	$0	$0
WIDOW	$0	$9	$0	$4	$1,425
YELLOWTAIL	$2,509	$0	$0	$0	$75
GRP BOCACCIO/CHILIPEPPER	$26	$0	$0	$0	$0
Total Revenues	$171,284	$170,890	$125,785	$36,794	$36,877

Table 71. San Diego area gill net caught rockfish landings and revenues, 1991-95.

SPECIES	Year 1991	1992	1993	1994	1995
			Landings (MT)		
BANK	0.00	0.00	0.00	0.06	0.44
BLACKGILL	0.11	0.00	0.26	0.00	0.91
BOCACCIO	0.00	9.94	2.24	1.32	1.06
CA SCORPIONFISH	0.94	1.28	0.68	0.51	0.28
CHILIPEPPER	0.00	0.32	3.86	0.41	0.36
COWCOD	0.28	4.42	1.79	0.12	0.10
GOPHER	0.00	0.00	0.00	0.00	0.00
GROUP BOLINA	0.00	0.00	0.00	0.00	0.00
GROUP RED	1.05	3.99	6.01	1.01	1.47
GROUP ROSEFISH	0.00	0.00	2.16	0.04	0.00
GRP BOCACCIO/CHILI	0.02	0.00	0.00	0.00	0.00
ROCKFISH	33.60	77.12	37.16	12.76	18.17
SPLITNOSE	0.25	0.06	0.00	0.00	0.00
VERMILLION	0.00	0.00	0.00	0.04	0.16
YELLOWEYE	0.00	1.20	0.00	0.00	0.00
YELLOWTAIL	0.00	0.00	0.07	0.00	0.00
Total Landings	36.25	98.33	54.22	16.28	22.94
			Exvessel Revenues (1991 $)		
BANK	$0	$0	$0	$98	$674
BLACKGILL	$164	$0	$269	$0	$1,324
BOCACCIO	$0	$11,993	$2,367	$2,243	$1,238
CA SCORPIONFISH	$2,199	$2,810	$1,583	$1,986	$813
CHILIPEPPER	$0	$505	$3,598	$728	$577
COWCOD	$844	$9,717	$3,841	$275	$272
GOPHER	$0	$0	$0	$6	$0
GROUP BOLINA	$3	$0	$0	$0	$0
GROUP RED	$2,780	$7,705	$8,423	$2,223	$3,484
GROUP ROSEFISH	$0	$0	$1,273	$114	$0
GRP BOCACCIO/CHILI	$37	$0	$0	$0	$0
ROCKFISH	$58,078	$103,414	$54,691	$24,600	$30,389

Table 71. continued

SPLITNOSE	$432	$107	$0	$0	$0
VERMILLION	$0	$0	$0	$93	$186
YELLOWEYE	$0	$2,564	$0	$0	$0
YELLOWTAIL	$0	$0	$28	$0	$0
Total Revenues	$64,537	$138,814	$76,075	$32,365	$38,958

Table 72. Proportion of vessels by principle gear, 1991-95.

	Year					
Gear	1991	1992	1993	1994	1995	Ave
			Eureka Principle Port area			
Hook & Line	96%	96%	95%	98%	94%	96%
Other	2%	1%	3%	0%	2%	2%
Trawl	2%	3%	3%	2%	4%	2%
Total Number	129	68	40	52	51	68
			Fort Bragg Principle Port Area			
Hook & Line	67%	88%	73%	67%	0%	74%
Trawl	33%	12%	27%	33%	100%	26%
Total Number	12	26	11	9	3	12
			Bodega Bay Principle Port Area			
Hook & Line	80%	94%	96%	93%	100%	93%
Other	8%	6%	2%	7%	0%	5%
Trawl	12%	0%	2%	0%	0%	26%
Total Number	25	36	50	29	25	33
			San Francisco Principle Port Area			
Gill Net	9%	5%	5%	8%	8%	7%
Hook & Line	86%	91%	87%	85%	85%	89%
Other	2%	2%	1%	4%	4%	3%
Trawl	4%	2%	6%	3%	4%	4%
Total Number	137	132	79	72	52	94
			Monterey Principle Port Area			
Gill Net	16%	15%	11%	13%	16%	14%
Hook & Line	68%	72%	74%	81%	69%	73%
Other	14%	11%	9%	4%	7%	9%
Trawl	2%	2%	6%	1%	7%	4%
Total Number	100	104	82	69	55	82

Table 72. continued

Morro Bay Principle Port Area						
Gill Net	3%	2%	2%	1%	0%	2%
Hook & Line	92%	96%	95%	97%	96%	95%
Other	3%	2%	3%	0%	3%	2%
Trawl	2%	1%	1%	2%	1%	1%
Total Number	182	192	194	207	182	191
Santa Barbara Principle Port Area						
Gill Net	10%	8%	5%	4%	5%	6%
Hook & Line	80%	91%	92%	82%	90%	87%
Other	9%	1%	3%	9%	5%	5%
Trawl	1%	0%	0%	6%	0%	1%
Total Number	82	63	63	54	40	60
Los Angeles Principle Port Area						
Gill Net	5%	10%	11%	8%	9%	9%
Hook & Line	89%	84%	82%	82%	80%	83%
Other	6%	6%	5%	8%	3%	6%
Trawl	0%	0%	2%	2%	7%	3%
Total Number	65	49	44	61	35	51
San Diego Principle Port Area						
Gill Net	11%	10%	7%	0%	7%	7%
Hook & Line	89%	76%	89%	93%	83%	86%
Other	0%	13%	4%	7%	10%	7%
Total Number	47	40	28	41	29	37

Table 73. Average exvessel rockfish prices (1991 $/lb) by gear type and port area, 1991-95.

	Year					
Gear	91	92	93	94	95	AVE
			Eureka Principle Port Area			
HOOK & LINE	$0.42	$0.42	$0.43	$0.50	$0.61	$0.48
TRAWL	$0.29	$0.29	$0.29	$0.30	$0.31	$0.30
			Ft. Bragg Principle Port Area			
HOOK & LINE	$0.65	$0.59	$0.60	$0.74	$0.75	$0.67
TRAWL	$0.32	$0.32	$0.33	$0.34	$0.36	$0.33
			Bodega Bay Principle Port Area			
HOOK & LINE	$0.66	$0.44	$0.47	$0.65	$1.59	$0.76
TRAWL	$0.32	$0.32	$0.33	$0.36	$0.35	$0.34
			San Francisco Principle Port Area			
GILL NET	$0.39	$0.40	$0.45	$0.46	$0.43	$0.42
HOOK & LINE	$0.65	$0.57	$0.85	$0.71	$0.78	$0.71
TRAWL	$0.33	$0.34	$0.34	$0.37	$0.40	$0.36
			Monterey Principle Port Area			
GILL NET	$0.41	$0.39	$0.44	$0.45	$0.47	$0.43
HOOK & LINE	$0.64	$0.58	$0.67	$0.73	$0.81	$0.69
TRAWL	$0.32	$0.30	$0.32	$0.40	$0.42	$0.35
			Morro Bay Principle Port Area			
GILL NET	$0.51	$0.48	$0.49	$0.52	$0.52	$0.50
HOOK & LINE	$1.07	$1.06	$1.31	$1.40	$2.05	$1.37
TRAWL	$0.36	$0.34	$0.36	$0.34	$0.40	$0.37
			Santa Barbara Principle Port Area			
GILL NET	$0.40	$0.47	$0.46	$0.48	$0.47	$0.47
HOOK & LINE	$0.92	$0.79	$0.84	$0.95	$1.11	$0.91
TRAWL	$0.47	$0.55	$1.37	$0.95	$1.14	$0.90
			Los Angeles Principle Port Area			
GILL NET	$0.64	$0.60	$0.62	$0.86	$0.74	$0.69

Table 73. continued

HOOK & LINE	$1.11	$1.20	$1.13	$0.92	$0.92	$1.07
TRAWL	$0.93	$0.76	$1.69	$0.99	$1.43	$1.16
			San Diego Principle Port Area			
GILL NET	$0.88	$0.70	$0.69	$0.98	$0.84	$0.82
HOOK & LINE	$1.05	$0.96	$1.02	$0.98	$1.02	$0.99
TRAWL	$0.88	$1.07	$1.85	$1.26	$1.48	$1.31

Table 74. Landings and revenues for vessels whose principle species is rockfish, principle gear is hook and line, and principle port is Eureka, 1991-95.

	YEAR				
SPECIES CATEGORY	1991	1992	1993	1994	1995
	Landings (MT)				
CRAB	27.32	19.03	34.20	20.98	30.61
HALIBUT	0.10	0.16	0.00	0.23	1.34
LING COD	24.26	18.13	10.12	10.39	35.03
MISCELLANEOUS	0.06	0.97	0.00	0.00	0.02
OTHER ROUND	1.92	0.53	0.24	0.07	1.05
ROCKFISH	487.59	294.98	173.52	160.57	175.27
SABLEFISH	0.19	10.34	0.50	4.93	2.22
SALMON	1.10	0.00	0.07	0.00	0.18
SHARK	0.03	0.56	0.00	0.00	0.14
SHRIMP	0.43	0.00	0.00	0.00	0.00
SKATE	0.00	0.00	0.00	0.00	0.25
THORNYHEADS	0.00	0.04	0.11	0.08	0.06
TUNA	0.02	1.90	0.08	7.80	0.05
WETFISH	0.30	0.21	0.06	0.19	0.03
Total Landings	543.32	346.85	218.91	205.24	246.26
	Exvessel Revenues (1991 $)				
CRAB	$84,575	$49,795	$75,958	$56,641	$86,014
HALIBUT	$657	$509	$0	$1,247	$6,675
LING COD	$27,007	$20,178	$10,939	$11,959	$43,991
MISCELLANEOUS	$53	$1,345	$0	$0	$9
OTHER ROUND	$1,367	$379	$366	$56	$1,059
ROCKFISH	$438,637	$266,835	$159,421	$173,606	$241,969
SABLEFISH	$279	$16,560	$845	$14,746	$5,969
SALMON	$4,551	$0	$270	$0	$546
SHARK	$59	$1,126	$0	$0	$221
SHRIMP	$507	$0	$0	$0	$0

Table 74. continued

SKATE	$0	$0	$0	$0	$249
THORNYHEADS	$0	$42	$225	$170	$144
TUNA	$22	$3,658	$171	$11,071	$93
WETFISH	$411	$320	$116	$116	$48
Total	$558,130	$360,746	$248,312	$269,613	$386,994

Table 75. Landings and revenues for vessels whose principle species is rockfish, principle gear is hook and line, and principle port is Fort Bragg, 1991-95.

	YEAR			
SPECIES CATEGORY	1991	1992	1993	1994
	Landings (MT)			
CRAB/LOBSTER	0.18	1.00	0.19	0.35
DOVER SOLE	0.01	0.00	0.03	0.00
HALIBUT	0.00	2.09	0.29	0.00
LING COD	3.09	22.49	4.45	1.48
OTHER	0.01	1.14	0.05	0.00
OTHER FLAT	0.00	0.00	0.00	0.00
OTHER ROUND	0.08	0.38	0.00	0.00
OTHER SOLE	0.12	0.30	0.09	0.07
ROCKFISH	67.32	148.16	40.06	27.98
SABLEFISH	0.55	39.49	17.19	9.33
SALMON	0.00	0.13	0.76	0.23
SHARK	0.01	0.13	0.04	0.00
SKATE	0.00	0.00	0.00	0.06
WETFISH	0.31	0.03	0.00	0.00
THORNYHEADS	0.11	1.28	0.39	0.13
Total Landings	71.79	216.60	63.53	39.61
	Exvessel Revenues (1991 $)			
CRAB/LOBSTER	$201	$2,567	$398	$980
DOVER SOLE	$6	$1	$17	$0
HALIBUT	$0	$9,766	$1,202	$0
LING COD	$3,334	$24,072	$4,620	$1,655
OTHER	$20	$1,688	$77	$0
OTHER FLAT	$1	$2	$0	$0
OTHER ROUND	$67	$285	$0	$0
OTHER SOLE	$165	$550	$153	$150
ROCKFISH	$89,822	$187,455	$46,459	$40,303

Table 75. continued

SABLEFISH	$985	$58,024	$18,923	$20,966
SALMON	$0	$557	$2,874	$865
SHARK	$11	$255	$82	$0
SKATE	$0	$0	$0	$46
WETFISH	$632	$57	$0	$0
THORNYHEADS	$113	$1,883	$504	$256
Total Revenues	$95,357	$287,160	$75,310	$65,221

Table 76. Landings and revenues for vessels whose principle species is rockfish, principle gear is hook and line, and principle port is Bodega Bay, 1991-95.

	YEAR				
SPECIES CATEGORY	1991	1992	1993	1994	1995
	Landings (MT)				
CRAB/LOBSTER	0.93	1.88	0.00	0.12	0.27
HALIBUT	0.00	0.08	0.06	0.01	0.01
LING COD	8.18	9.76	6.67	6.94	10.41
MISCELLANEOUS	0.00	0.09	0.00	0.00	0.05
OTHER	0.00	0.00	0.00	0.00	0.00
OTHER FLAT	0.12	0.04	0.03	0.00	0.00
OTHER ROUND	0.00	0.02	0.00	0.15	0.65
OTHER SOLE	0.04	0.07	0.00	0.01	0.00
ROCKFISH	120.61	524.85	568.73	151.86	109.67
SABLEFISH	1.28	1.89	0.71	3.94	0.06
SALMON	1.00	0.65	1.10	0.21	0.24
SHARK	0.00	0.08	0.01	0.04	0.03
SHRIMP	0.00	0.00	0.00	0.00	0.05
SKATE	0.00	0.00	0.09	0.20	0.00
THORNYHEADS	0.00	0.25	0.00	0.45	0.00
TUNA	0.00	0.00	0.42	0.00	0.00
WETFISH	0.05	0.10	0.13	0.16	0.14
Grand Total	132.21	539.75	577.95	164.07	121.57
	Exvessel Revenues (1991 $)				
CRAB/LOBSTER	$4,893	$7,234	$0	$492	$1,047
HALIBUT	$0	$448	$320	$21	$23
LING COD	$5,581	$7,371	$5,717	$10,021	$15,032
MISCELLANEOUS	$0	$37	$0	$0	$88
OTHER	$0	$0	$17	$0	$0
OTHER FLAT	$103	$19	$9	$0	$1
OTHER ROUND	$0	$9	$0	$183	$1,811
OTHER SOLE	$28	$71	$0	$33	$0
ROCKFISH	$165,990	$472,470	$540,835	$219,398	$194,216
SABLEFISH	$1,190	$1,269	$590	$5,684	$132
SALMON	$2,137	$3,257	$5,205	$735	$741

Table 76. continued

SHARK	$0	$137	$17	$19	$32
SHRIMP	$0	$0	$0	$0	$45
SKATE	$0	$0	$62	$128	$0
THORNYHEADS	$0	$332	$0	$591	$0
TUNA	$0	$0	$454	$0	$0
WETFISH	$23	$114	$86	$82	$543
Total Revenues	$179,945	$492,768	$553,310	$237,387	$213,709

Table 77. Landings and revenues for vessels whose principle species is rockfish, principle gear is hook and line, and principle port is San Francisco, 1991-95.

SPECIES CATEGORY	YEAR 1991	1992	1993	1994	1995
			Landings (MT)		
CRAB/LOBSTER	2.27	6.30	3.30	0.01	0.00
DOVER SOLE	0.26	0.00	0.00	0.00	0.03
HALIBUT	0.88	1.00	2.12	1.55	0.82
LING COD	51.79	41.97	32.51	17.27	14.76
MISCELLANEOUS	0.10	0.07	0.17	0.25	0.15
OTHER	0.50	3.34	0.23	0.09	0.00
OTHER FLAT	6.08	2.88	1.37	1.02	0.38
OTHER ROUND	5.29	4.24	4.78	2.95	1.49
OTHER SOLE	4.62	1.55	1.89	0.38	0.38
PRAWN	0.00	0.00	0.00	0.00	0.00
ROCKFISH	590.45	880.73	384.59	328.50	211.39
SABLEFISH	79.19	19.31	59.27	13.67	14.74
SALMON	10.38	5.54	5.06	0.27	5.97
SHARK	0.83	1.32	1.59	1.24	1.01
SKATE	1.09	0.34	0.23	0.41	0.14
THORNYHEADS	2.14	0.96	0.60	1.10	0.37
TUNA	0.00	0.10	0.10	0.00	0.00
WETFISH	2.62	8.55	0.95	0.72	0.12
Total Landings	758.49	978.20	498.76	369.43	251.75
			Exvessel Revenues (1991 $)		
CRAB/LOBSTER	$9,859	$21,494	$10,133	$71	$0
DOVER SOLE	$135	$1	$0	$0	$15
HALIBUT	$3,978	$6,085	$13,576	$8,894	$4,447
LING COD	$54,814	$46,831	$45,203	$23,988	$20,974
MISCELLANEOUS	$224	$175	$232	$495	$222
OTHER	$627	$3,608	$289	$125	$0

Table 77. continued

OTHER FLAT	$4,464	$2,463	$1,212	$918	$326
OTHER ROUND	$5,522	$6,752	$5,872	$6,194	$2,243
OTHER SOLE	$5,568	$2,047	$2,305	$490	$458
PRAWN	$0	$14	$0	$0	$0
ROCKFISH	$778,071	$1,009,587	$647,359	$444,955	$339,523
SABLEFISH	$112,156	$25,925	$56,929	$21,321	$38,678
SALMON	$49,831	$29,394	$20,817	$973	$19,078
SHARK	$1,027	$1,858	$1,573	$1,266	$1,285
SKATE	$624	$207	$145	$380	$130
THORNYHEADS	$2,563	$903	$871	$2,253	$936
TUNA	$0	$113	$206	$0	$0
WETFISH	$1,738	$7,437	$816	$835	$152
Total Revenues	$1,031,201	$1,164,893	$807,538	$513,160	$428,465

Table 78. Landings and revenues for vessels whose principle species is rockfish, principle gear is hook and line, and principle port is Monterey, 1991-95.

SPECIES CATEGORY	YEAR 1991	1992	1993	1994	1995
			Landings (MT)		
CRAB/LOBSTER	0.24	3.57	0.00	0.00	0.00
DOVER SOLE	0.00	0.00	0.00	0.16	0.01
GRENADIER	0.00	0.00	0.00	0.00	5.94
HALIBUT	0.60	0.26	0.20	0.03	0.08
LING COD	17.83	13.43	16.69	10.16	3.76
MISCELLANEOUS	0.00	0.00	0.04	0.04	0.01
OTHER	0.00	0.00	0.08	0.02	0.00
OTHER FLAT	4.57	6.04	0.58	0.24	0.57
OTHER ROUND	1.39	0.38	0.05	1.46	0.02
OTHER SOLE	0.13	0.06	0.13	0.17	0.14
PRAWN	0.00	0.00	0.00	0.01	0.00
ROCKFISH	233.39	205.19	247.86	225.22	89.09
SABLEFISH	3.11	4.88	2.17	25.68	9.20
SALMON	8.20	5.68	3.29	6.25	0.00
SHARK	1.26	0.62	0.23	0.11	0.00
SKATE	0.72	0.12	0.03	0.21	0.01
SWORDFISH	1.65	0.00	0.00	0.00	0.00
THORNYHEADS	0.27	0.00	0.10	2.14	0.64
TUNA	0.00	0.21	8.06	0.96	0.00
WETFISH	0.05	0.42	0.14	0.14	0.26
Total Landings	273.41	240.85	279.65	273.00	109.71
			Exvessel Revenues (1991 $)		
CRAB/LOBSTER	$1,238	$15,476	$0	$0	$0
DOVER SOLE	$0	$0	$0	$107	$3
GRENADIER	$0	$0	$0	$0	$2,014
HALIBUT	$3,398	$1,480	$1,044	$145	$273
LING COD	$32,054	$15,834	$18,252	$11,090	$5,223
MISCELLANEOUS	$5	$0	$20	$52	$10
OTHER	$5	$0	$88	$19	$0
OTHER FLAT	$8,583	$9,870	$1,027	$360	$635

Table 78. continued

OTHER ROUND	$1,528	$715	$85	$7,748	$15
OTHER SOLE	$221	$81	$289	$339	$294
PRAWN	$0	$0	$0	$28	$0
ROCKFISH	$357,590	$280,363	$330,100	$301,375	$135,504
SABLEFISH	$4,391	$7,103	$1,936	$38,486	$21,192
SALMON	$39,847	$29,259	$13,309	$22,252	$0
SHARK	$2,130	$1,281	$437	$129	$0
SKATE	$559	$69	$16	$148	$5
SWORDFISH	$10,526	$0	$0	$0	$0
THORNYHEADS	$277	$0	$137	$3,154	$1,590
TUNA	$0	$448	$15,166	$1,671	$0
WETFISH	$37	$258	$57	$85	$340
Total Revenues	$462,391	$362,236	$381,961	$387,186	$167,096

Table 79. Landings and revenues for vessels whose principle species is rockfish, principle gear is hook and line, and principle port is Morro Bay, 1991-95.

SPECIES CATEGORY	YEAR 1991	1992	1993	1994	1995
			Landings (MT)		
CRAB/LOBSTER	0.04	22.23	0.26	1.00	2.63
GRENADIER	0.00	0.01	0.00	0.00	0.00
HALIBUT	3.08	3.30	1.58	1.62	0.46
LING COD	8.39	14.19	13.92	9.97	8.90
MISCELLANEOUS	0.53	0.99	0.56	0.55	0.88
OTHER	22.45	0.01	0.63	0.22	0.00
OTHER FLAT	0.10	0.09	0.12	0.59	0.23
OTHER ROUND	2.85	10.53	17.67	7.84	25.23
OTHER SOLE	0.13	0.10	0.29	0.98	0.92
PRAWN	0.00	0.00	0.00	0.05	0.15
ROCKFISH	250.18	344.82	330.07	230.08	160.00
SABLEFISH	3.23	2.35	0.39	1.54	0.52
SALMON	13.08	5.69	9.44	5.86	11.04
SHARK	0.13	0.82	0.27	0.33	0.24
SHRIMP	0.00	0.00	0.00	0.00	0.00
SKATE	0.02	0.13	0.01	0.09	0.24
THORNYHEADS	0.00	0.00	0.03	0.00	0.01
TUNA	0.00	0.00	0.09	0.04	0.09
WETFISH	0.14	0.26	0.06	0.10	0.01
WHITING	0.00	0.00	0.00	0.00	0.00
Total Landings	304.33	405.50	375.38	260.85	211.56
			Exvessel Revenues (1991 $)		
CRAB/LOBSTER	$196	$36,533	$534	$1,876	$4,665
GRENADIER	$0	$3	$0	$0	$0
HALIBUT	$16,897	$17,731	$8,559	$11,247	$2,965
LING COD	$11,637	$21,870	$21,399	$19,178	$15,187
MISCELLANEOUS	$1,001	$2,274	$1,940	$2,305	$3,441
OTHER	$14,428	$34	$2,948	$431	$1
OTHER FLAT	$101	$124	$219	$631	$286
OTHER ROUND	$5,645	$47,647	$112,194	$54,742	$174,197

Table 79. continued

OTHER SOLE	$202	$185	$553	$1,990	$2,043
PRAWN	$0	$0	$0	$627	$2,122
ROCKFISH	$574,856	$774,725	$912,608	$653,529	$532,895
SABLEFISH	$7,011	$6,019	$473	$2,391	$1,212
SALMON	$65,211	$28,612	$40,174	$22,076	$34,886
SHARK	$220	$1,016	$323	$356	$255
SHRIMP	$0	$0	$0	$0	$24
SKATE	$23	$156	$10	$90	$232
THORNYHEADS	$0	$10	$73	$0	$18
TUNA	$0	$0	$195	$372	$188
WETFISH	$78	$165	$79	$96	$63
WHITING	$0	$1	$2	$0	$0
Total Revenues	$697,503	$937,105	$1,102,284	$771,937	$774,681

Table 80. Landings and revenues for vessels whose principle species is rockfish, principle gear is hook and line, and principle port is Santa Barbara, 1991-95.

SPECIES CATEGORY	YEAR 1991	1992	1993	1994	1995
			Landings (MT)		
CRAB/LOBSTER	0.12	0.94	0.61	0.21	2.52
HALIBUT	0.57	0.64	0.00	0.04	0.68
LING COD	1.48	1.72	2.30	2.54	6.47
MISCELLANEOUS	4.41	3.33	3.40	2.70	12.19
OTHER	0.02	0.01	0.00	0.00	4.94
OTHER FLAT	0.23	0.37	0.21	0.20	0.23
OTHER ROUND	0.42	0.41	0.18	0.68	10.77
OTHER SOLE	0.04	0.15	0.00	0.32	0.23
PRAWN	0.00	0.32	0.00	0.00	0.00
ROCKFISH	464.04	582.28	534.76	331.12	298.80
SABLEFISH	7.40	11.85	4.76	5.61	4.47
SALMON	0.01	0.03	0.07	0.00	0.00
SHARK	17.52	0.88	6.72	12.86	2.29
SKATE	0.00	0.14	0.08	0.46	0.11
SWORDFISH	0.00	0.00	11.81	0.09	0.31
THORNYHEADS	0.78	0.37	0.45	0.88	0.24
TUNA	0.00	0.00	1.15	0.00	1.62
WETFISH	0.06	0.71	0.15	0.03	0.28
Total Landings	497.08	604.14	566.66	357.75	346.14
			Exvessel revenues (1991 $)		
CRAB/LOBSTER	$1,503	$2,408	$1,247	$3,691	$35,029
HALIBUT	$2,788	$3,426	$0	$211	$4,373
LING COD	$2,494	$2,720	$4,160	$2,672	$6,359
MISCELLANEOUS	$20,485	$7,983	$5,110	$5,861	$20,028
OTHER	$15	$6	$0	$0	$6,464
OTHER FLAT	$696	$686	$266	$309	$413
OTHER ROUND	$1,444	$482	$291	$6,418	$56,466
OTHER SOLE	$65	$294	$6	$503	$1,089
PRAWN	$0	$4,681	$0	$0	$0
ROCKFISH	$849,439	$946,934	$869,610	$595,911	$603,921

Table 80. continued

SABLEFISH	$13,831	$19,349	$8,289	$10,795	$22,584
SALMON	$45	$179	$323	$0	$0
SHARK	$33,811	$1,287	$12,546	$23,971	$1,658
SKATE	$0	$104	$91	$499	$134
SWORDFISH	$0	$0	$66,619	$660	$2,077
THORNYHEADS	$1,220	$556	$664	$1,585	$796
TUNA	$0	$0	$3,488	$0	$3,735
WETFISH	$56	$592	$189	$62	$177
Total Revenues	$927,891	$991,686	$972,898	$653,148	$765,303

Table 81. Landings and revenues for vessels whose principle species is rockfish, principle gear is hook and line, and principle port is Los Angeles, 1991-95.

SPECIES CATEGORY	YEAR 1991	1992	1993	1994	1995
			Landings (MT)		
CRAB/LOBSTER	0.27	1.28	0.01	0.04	0.03
HALIBUT	0.05	0.01	0.07	0.07	0.00
LING COD	0.34	0.23	0.36	0.24	0.08
MISCELLANEOUS	1.82	1.35	1.23	2.36	1.60
OTHER	0.22	0.54	0.05	0.04	0.00
OTHER FLAT	1.54	1.63	0.08	1.51	0.08
OTHER ROUND	2.04	2.22	4.23	3.70	1.22
OTHER SOLE	0.00	0.00	0.00	0.00	0.00
PRAWN	0.08	0.24	0.00	0.42	0.00
ROCKFISH	155.55	162.81	75.65	206.66	141.80
SABLEFISH	3.19	1.94	5.32	3.39	1.84
SHARK	0.07	0.36	0.46	0.37	0.14
SKATE	0.04	0.00	0.04	0.00	0.00
SWORDFISH	0.08	0.00	0.00	0.00	0.00
THORNYHEADS	0.00	0.05	0.31	0.32	0.00
TUNA	0.00	0.16	0.00	0.88	0.17
WETFISH	130.77	0.67	7.07	20.91	30.66
WHITING	0.17	0.00	0.02	0.00	0.00
Total Landings	296.22	173.49	94.89	240.90	177.63
			Exvessel revenues (1991 $)		
CRAB/LOBSTER	$2,973	$18,385	$86	$536	$486
HALIBUT	$413	$55	$374	$336	$0
LING COD	$838	$528	$902	$360	$131
MISCELLANEOUS	$6,232	$2,140	$2,642	$4,004	$3,234
OTHER	$385	$2,482	$278	$292	$0
OTHER FLAT	$5,874	$6,425	$66	$2,782	$117
OTHER ROUND	$5,006	$4,998	$8,255	$6,461	$2,893
OTHER SOLE	$0	$0	$0	$4	$0
PRAWN	$1,116	$3,652	$0	$4,728	$0
ROCKFISH	$341,593	$359,712	$182,097	$367,149	$254,988

Table 81. continued

SABLEFISH	$4,920	$3,201	$10,415	$4,701	$3,326
SHARK	$118	$669	$1,045	$611	$241
SKATE	$20	$0	$26	$0	$3
SWORDFISH	$720	$0	$0	$0	$0
THORNYHEADS	$0	$163	$758	$862	$0
TUNA	$0	$257	$0	$916	$312
WETFISH	$18,732	$577	$3,799	$4,116	$7,235
WHITING	$378	$0	$62	$0	$0
Total Revenue	$389,318	$403,245	$210,803	$397,858	$272,965

Table 82. Landings and revenues for vessels whose principle species is rockfish, principle gear is hook and line, and principle port is San Diego, 1991-95.

SPECIES CATEGORY	YEAR 1991	1992	1993	1994	1995
			Landings (MT)		
CRAB/LOBSTER	0.16	0.01	0.14	0.13	0.00
HALIBUT	0.00	0.01	0.00	0.47	0.00
LING COD	0.21	0.03	0.04	0.10	0.01
MISCELLANEOUS	0.56	0.34	0.35	0.33	0.10
OTHER	0.00	0.00	0.15	0.23	0.00
OTHER FLAT	1.30	0.19	0.25	1.94	0.15
OTHER ROUND	0.85	0.54	1.22	7.65	0.55
OTHER SOLE	0.02	0.01	0.00	0.00	0.00
ROCKFISH	75.50	66.27	46.77	50.47	82.86
SABLEFISH	1.79	1.29	1.03	1.00	1.69
SHARK	0.42	0.97	1.05	0.60	0.16
SKATE	0.00	0.01	0.00	0.00	0.02
SWORDFISH	0.00	0.00	0.00	0.04	0.00
TUNA	0.28	0.54	0.20	1.17	0.29
WETFISH	4.18	3.78	3.91	7.71	2.29
WHITING	0.06	0.00	0.00	0.00	0.00
Total Landings	85.32	73.97	55.09	71.83	88.12
			Exvessel Revenues (1991 $)		
CRAB/LOBSTER	$1,362	$11	$295	$1,036	$0
HALIBUT	$0	$35	$0	$2,413	$0
LING COD	$572	$45	$54	$201	$10
MISCELLANEOUS	$967	$896	$1,026	$725	$173
OTHER	$0	$0	$476	$299	$2
OTHER FLAT	$4,752	$407	$558	$4,951	$373
OTHER ROUND	$1,460	$1,000	$2,144	$9,700	$830
OTHER SOLE	$55	$39	$0	$0	$0
ROCKFISH	$184,629	$152,847	$104,507	$112,490	$139,312
SABLEFISH	$1,900	$1,382	$1,073	$1,125	$3,150
SHARK	$658	$1,986	$1,736	$754	$168
SKATE	$0	$5	$0	$0	$22

Table 82. continued

SWORDFISH	$0	$0	$0	$12	$0
TUNA	$481	$963	$447	$6,413	$492
WETFISH	$3,272	$2,905	$2,953	$3,912	$1,580
WHITING	$51	$0	$0	$0	$0
Total Revenues	$200,159	$162,521	$115,268	$144,032	$146,112

Table 83. Landings and rvenues for vessels whose principle species is rockfish, principle gear is trawl, and principle port is Eureka, 1991-95.

SPECIES CATEGORY	YEAR 1991	1992	1993	1994	1995
			Landings (MT)		
CRAB	0	0	0	0	12.435
DOVER SOLE	183.102	72.233	79.142	75.343	109.497
GRENADIER	2.51	0	44.331	21.469	8.683
HALIBUT	0	0	0.015	0	0.002
LING COD	16.374	10.228	12.851	8.04	8.114
MISCELLANEOUS	0	0	0	0.02	0
OTHER FLAT	9.541	0.098	0.767	2.001	3.317
OTHER ROUND	0.148	0	0	0	0
OTHER SOLE	28.577	9.902	7.115	15.415	14.041
ROCKFISH	417.857	103.998	236.019	428.209	591.501
SABLEFISH	72.258	23.262	43.224	33.025	48.947
SHARK	0.01	0.01	0.113	0.034	0.059
SHRIMP	58.473	11.313	0	0	43.515
SKATE	0.034	0	0	0.297	0
THORNYHEADS	104.591	38.392	128.395	87.337	118.962
WETFISH	0.351	0.283	0.057	0.02	0.019
WHITING	0	0	0.204	148.877	0
Total Landings	893.826	269.719	552.233	820.087	959.092
			Exvessel Revenues (1991 $)		
CRAB	$0	$0	$0	$0	$30,985
DOVER SOLE	$124,926	$47,324	$43,922	$44,289	$68,645
GRENADIER	$755	$0	$10,627	$6,092	$2,596
HALIBUT	$0	$0	$76	$0	$8
LING COD	$12,778	$8,116	$9,898	$6,217	$6,524
MISCELLANEOUS	$0	$0	$0	$0	$0
OTHER FLAT	$3,017	$67	$181	$856	$847
OTHER ROUND	$82	$0	$0	$0	$0
OTHER SOLE	$37,739	$10,855	$7,612	$19,765	$18,571
ROCKFISH	$266,461	$65,492	$150,678	$274,642	$398,856
SABLEFISH	$73,894	$25,915	$38,025	$45,205	$117,585

Table 83. continued

SHARK	$22	$21	$237	$71	$117
SHRIMP	$76,190	$12,859	$0	$0	$56,381
SKATE	$19	$0	$0	$60	$0
THORNYHEADS	$109,519	$40,870	$148,854	$148,436	$243,943
WETFISH	$735	$571	$60	$20	$19
WHITING	$0	$0	$140	$15,223	$0
Total Revenues	$706,138	$212,089	$410,309	$560,877	$945,076

Table 84. Landings and revenues for vessels whose principle species is rockfish, principle gear is trawl, and principle port is Fort Bragg, 1991-95.

SPECIES CATEGORY	YEAR 1991	1992	1993	1994	1995
			Landings (MT)		
CRAB/LOBSTER	0.00	0.00	2.84	0.00	0.00
DOVER SOLE	261.69	137.61	139.50	64.60	219.17
GRENADIER	0.00	0.00	0.20	11.35	30.87
LING COD	82.41	40.36	38.78	15.61	34.80
OTHER	0.29	0.22	0.33	0.00	0.00
OTHER FLAT	1.77	0.99	1.70	0.35	2.68
OTHER SOLE	154.01	69.39	71.55	24.34	50.37
ROCKFISH	701.77	304.76	255.70	205.51	571.90
SABLEFISH	90.67	57.16	46.62	23.14	72.01
SHARK	0.51	0.62	0.49	0.13	0.17
SHRIMP	29.27	0.00	0.00	0.00	5.21
SKATE	0.00	0.00	0.00	0.00	0.69
WETFISH	1.89	1.81	0.41	0.04	0.00
THORNYHEADS	52.35	48.31	49.49	52.39	154.67
Total Landings	1,376.65	661.22	607.59	397.45	1,142.52
			Exvessel Revenues (1991 $)		
CRAB/LOBSTER	$0	$0	$6,260	$0	$0
DOVER SOLE	$177,582	$88,309	$79,436	$39,040	$143,599
GRENADIER	$0	$0	$51	$2,784	$9,202
LING COD	$63,857	$32,023	$30,023	$13,302	$27,156
OTHER	$193	$166	$255	$0	$0
OTHER FLAT	$1,227	$677	$1,134	$232	$1,958
OTHER SOLE	$188,953	$80,183	$73,425	$26,145	$55,442
ROCKFISH	$460,882	$198,418	$170,770	$138,269	$423,674
SABLEFISH	$78,746	$55,489	$37,924	$28,732	$169,991
SHARK	$1,120	$1,329	$1,023	$180	$335
SHRIMP	$34,850	$0	$0	$0	$6,750
SKATE	$0	$0	$0	$0	$208
WETFISH	$3,963	$3,488	$273	$37	$0
THORNYHEADS	$53,209	$51,099	$59,397	$91,730	$338,712

Table 84. continued

Total Revenues	$1,064,583	$511,183	$459,970	$340,451	$1,177,026

Table 85. Landings and revenues for vessels whose principle species is rockfish, principle gear is trawl, and principle port is Bodega Bay 1991-95[1].

	Year	
SPECIES CATEGORY	1991	1993
	Landings (MT)	
CRAB/LOBSTER	0.046	0
DOVER SOLE	17.379	58.403
LING COD	36.856	10.033
OTHER FLAT	0.082	1.193
OTHER SOLE	11.171	68.324
ROCKFISH	335.656	118.406
SABLEFISH	9.996	10.595
THORNYHEADS	8.037	5.579
WETFISH	0.014	0
Total Landings	419.237	272.533
	Exvessel Revenues (1991 $)	
CRAB/LOBSTER	$186	$0
DOVER SOLE	$11,696	$36,150
LING COD	$27,692	$7,651
OTHER FLAT	$54	$648
OTHER SOLE	$11,906	$68,016
ROCKFISH	$217,780	$80,889
SABLEFISH	$8,019	$7,535
THORNYHEADS	$8,549	$6,176
WETFISH	$22	$0
Total Revenues	$285,904	$207,065

[1] There were no vessels whose principle species is rockfish, principle gear is trawl, and principle port is Bodega Bay in 1992, 1994 and 1995.

Table 86. Landings and revenues for vessels whose principle species is rockfish, principle gear is trawl, and principle port is San Francisco, 1991-95.

SPECIES CATEGORY	Year 1991	1992	1993	1994	1995
			Landings (MT)		
CRAB/LOBSTER	5.11	0.00	0.00	0.00	0.00
DOVER SOLE	183.89	31.97	77.60	106.54	57.35
GRENADIER	0.00	0.00	0.00	0.60	4.85
HALIBUT	0.02	0.00	0.04	7.03	0.01
LING COD	33.28	22.12	55.49	29.07	6.52
MISCELLANEOUS	0.00	0.02	0.03	0.01	0.16
OTHER FLAT	0.09	1.20	0.04	5.28	0.28
OTHER ROUND	0.00	0.01	0.37	0.11	0.09
OTHER SOLE	46.25	27.06	43.68	62.62	31.08
PRAWN	0.00	0.00	0.00	0.00	0.02
ROCKFISH	1,145.21	819.14	546.99	278.73	244.66
SABLEFISH	77.98	43.64	40.18	33.83	13.02
SHARK	0.35	0.20	0.29	0.25	0.09
SKATE	0.98	0.81	0.64	3.36	0.47
THORNYHEADS	123.62	132.37	101.69	60.97	27.31
WETFISH	0.48	0.77	0.23	0.11	0.12
Total Landings	1,617.26	1,079.31	867.27	588.51	386.03
			Exvessel Revenues (1991 $)		
CRAB/LOBSTER	$21,685	$0	$0	$0	$0
DOVER SOLE	$114,883	$17,111	$42,273	$51,955	$26,831
GRENADIER	$0	$0	$0	$147	$1,162
HALIBUT	$110	$0	$216	$33,806	$63
LING COD	$24,980	$17,347	$45,587	$23,780	$5,751
MISCELLANEOUS	$0	$13	$24	$8	$37
OTHER FLAT	$71	$828	$26	$3,828	$192
OTHER ROUND	$0	$11	$235	$96	$80
OTHER SOLE	$49,977	$27,562	$43,504	$65,279	$35,746
PRAWN	$0	$0	$0	$0	$248
ROCKFISH	$753,399	$553,973	$373,949	$211,156	$186,763
SABLEFISH	$57,989	$32,388	$21,429	$27,537	$23,439

Table 86. continued

SHARK	$535	$408	$417	$319	$125
SKATE	$675	$553	$521	$2,099	$125
THORNYHEADS	$115,238	$130,826	$89,677	$74,244	$54,662
WETFISH	$511	$513	$291	$132	$59
Total Revenues	$1,140,050	$781,535	$618,151	$494,387	$335,281

Table 87. Landings and revenues for vessels whose principle species is rockfish, principle gear is trawl, and principle port is Monterey, 1991-95.

SPECIES CATEGORY	Year 1991	1992	1993	1994	1995
			Landings (MT)		
DOVER SOLE	21.71	17.53	237.85	97.48	194.54
GRENADIER	0.00	0.00	0.04	1.30	69.90
HALIBUT	0.01	0.00	0.00	0.00	0.52
LING COD	0.16	3.82	26.71	11.82	23.59
OTHER	0.00	0.00	0.00	0.02	0.00
OTHER FLAT	2.54	1.39	7.48	9.28	77.87
OTHER ROUND	0.01	0.74	0.09	0.00	0.91
OTHER SOLE	13.33	32.04	94.62	74.48	216.19
PRAWN	0.00	0.00	0.31	2.60	0.00
ROCKFISH	45.60	85.74	558.20	288.44	713.69
SABLEFISH	6.04	6.24	44.18	27.93	39.17
SHARK	0.01	0.10	0.61	0.90	2.30
SKATE	1.56	4.78	10.31	3.92	15.64
THORNYHEADS	1.88	0.37	24.85	53.02	91.59
WETFISH	0.00	0.03	2.17	0.00	0.22
WHITING	0.29	0.00	0.00	0.00	0.00
Total Landings	93.12	152.77	1007.42	571.17	1446.14
			Exvessel Revenues (1991 $)		
DOVER SOLE	$14,032	$7,519	$109,495	$50,731	$122,712
GRENADIER	$0	$0	$9	$400	$23,712
HALIBUT	$8	$0	$0	$0	$2,611
LING COD	$120	$2,454	$18,851	$10,698	$22,731
OTHER	$0	$0	$0	$26	$0
OTHER FLAT	$1,502	$766	$3,905	$7,686	$66,640
OTHER ROUND	$3	$325	$54	$0	$454
OTHER SOLE	$13,530	$28,293	$90,391	$86,194	$232,266
PRAWN	$0	$0	$2,736	$28,289	$0
ROCKFISH	$30,929	$49,120	$354,235	$239,963	$617,266
SABLEFISH	$3,233	$2,676	$31,890	$24,870	$65,550
SHARK	$6	$65	$624	$1,765	$4,505

Table 87. continued

SKATE	$926	$3,081	$6,678	$2,864	$14,109
THORNYHEADS	$1,596	$251	$24,361	$64,070	$193,870
WETFISH	$0	$7	$611	$0	$215
WHITING	$63	$0	$0	$0	$0
Total Revenues	$65,947	$94,556	$643,839	$517,555	$1,366,640

Table 88. Landings and revenues for vessels whose principle species is rockfish, principle gear is trawl, and principle port is Morro Bay, 1991-95.

SPECIES CATEGORY	Year 1991	1992	1993	1994	1995
			Landings (MT)		
DOVER SOLE	160.04	41.54	0.31	413.09	156.64
HALIBUT	1.63	0.00	0.80	0.00	0.28
LING COD	8.43	2.71	0.23	16.06	8.12
MISCELLANEOUS	0.01	0.00	0.00	0.00	0.00
OTHER FLAT	0.36	0.24	0.70	1.03	0.05
OTHER ROUND	0.00	0.00	0.01	0.00	0.02
OTHER SOLE	97.97	10.61	1.81	85.40	20.43
PRAWN	0.00	0.00	0.00	0.03	0.00
ROCKFISH	356.95	79.97	8.02	503.43	212.71
SABLEFISH	39.94	7.11	0.00	46.23	29.79
SHARK	0.15	0.03	0.36	0.12	0.37
SHRIMP	0.00	0.00	0.00	8.15	44.89
SKATE	0.05	0.00	0.02	0.00	0.00
THORNYHEADS	112.64	43.24	0.00	83.47	62.48
WETFISH	0.01	0.00	0.00	0.07	0.00
WHITING	0.00	0.00	0.00	0.61	0.00
Total Landings	778.18	185.44	12.26	1157.68	535.77
			Exvessel Revenues (1991 $)		
DOVER SOLE	$72,428	$19,237	$195	$273,173	$103,133
HALIBUT	$8,950	$0	$3,941	$0	$1,412
LING COD	$8,362	$2,611	$209	$14,834	$7,427
MISCELLANEOUS	$8	$0	$0	$0	$0
OTHER FLAT	$282	$154	$397	$634	$46
OTHER ROUND	$0	$0	$45	$0	$99
OTHER SOLE	$132,102	$12,114	$2,160	$90,932	$35,327
PRAWN	$0	$0	$11	$481	$0
ROCKFISH	$264,773	$56,536	$4,500	$404,737	$170,338
SABLEFISH	$29,495	$6,689	$1	$28,722	$42,008
SHARK	$148	$35	$201	$136	$599
SHRIMP	$0	$0	$0	$9,547	$59,203

Table 88. continued

SKATE	$25	$0	$9	$0	$0
THORNYHEADS	$109,506	$46,362	$0	$98,577	$121,384
WETFISH	$6	$0	$0	$21	$0
WHITING	$0	$0	$0	$13	$5
Total Revenues	$626,085	$143,737	$11,669	$921,807	$540,980

Table 89. Landings and revenues for vessels whose principle species is rockfish, principle gear is gill net, and principle port is San Francisco, 1991-95.

	Year				
SPECIES CATEGORY	1991	1992	1993	1994	1995
	Landings (MT)				
DOVER SOLE	0.00	0.08	0.00	0.00	0.00
HALIBUT	0.00	0.00	0.03	0.00	0.00
LING COD	52.34	1.49	25.18	18.27	24.39
MISCELLANEOUS	0.00	0.00	0.00	0.09	0.06
OTHER FLAT	0.03	0.00	0.00	0.04	0.00
OTHER ROUND	0.00	0.00	0.00	0.00	0.13
OTHER SOLE	0.53	0.00	0.08	0.04	0.18
ROCKFISH	326.02	87.91	68.60	72.42	92.83
SABLEFISH	8.37	7.79	0.79	0.40	9.86
SHARK	0.47	0.46	0.54	0.41	0.11
SKATE	0.16	0.00	0.01	0.00	0.01
THORNYHEADS	0.12	0.00	0.00	0.00	0.23
TUNA	0.00	0.00	0.00	0.00	0.19
WETFISH	0.03	0.00	0.00	0.00	0.13
Total Landings	388.07	97.73	95.23	91.67	128.12
	Exvessel Revenues (1991 $)				
DOVER SOLE	$0	$44	$0	$0	$0
HALIBUT	$0	$0	$112	$0	$0
LING COD	$40,397	$1,156	$23,107	$16,507	$22,794
MISCELLANEOUS	$0	$0	$0	$87	$100
OTHER FLAT	$48	$0	$0	$34	$0
OTHER ROUND	$0	$0	$0	$0	$105
OTHER SOLE	$328	$0	$69	$44	$108
ROCKFISH	$256,084	$75,274	$62,993	$67,984	$80,765
SABLEFISH	$5,213	$6,589	$575	$458	$22,950

Table 89. continued

SHARK	$642	$739	$951	$655	$135
SKATE	$105	$0	$8	$0	$9
THORNYHEADS	$156	$0	$0	$0	$578
TUNA	$0	$0	$0	$0	$165
WETFISH	$32	$0	$0	$0	$65
Total Revenues	$303,007	$83,802	$87,815	$85,769	$127,773

Table 90. Landings and revenues for vessels whose principle species is rockfish, principle gear is gill net, and principle port is Monterey, 1991-95.

	Year				
SPECIES CATEGORY	1991	1992	1993	1994	1995
	Landings (MT)				
DOVER SOLE	0.00	0.02	0.00	0.07	0.01
HALIBUT	0.03	0.00	0.00	0.04	0.05
LING COD	51.10	77.96	82.75	50.83	20.02
MISCELLANEOUS	0.00	0.00	0.00	0.00	1.10
OTHER	0.00	0.00	0.02	0.06	0.14
OTHER FLAT	0.01	0.00	0.04	0.04	0.62
OTHER ROUND	1.28	1.23	0.00	0.00	0.17
OTHER SOLE	2.08	5.71	6.71	3.13	6.95
ROCKFISH	565.47	606.90	335.46	234.20	247.07
SABLEFISH	14.98	6.92	4.73	3.23	9.82
SHARK	0.61	1.98	2.62	1.38	2.07
SKATE	0.01	0.04	0.07	0.14	0.24
SWORDFISH	0.00	0.00	0.00	0.00	7.88
THORNYHEADS	0.05	0.13	0.58	0.00	0.42
TUNA	0.00	0.03	0.00	0.00	5.59
WETFISH	0.00	36.20	0.36	0.00	0.04
Total Landings	635.62	737.11	433.34	293.11	302.18
	Exvessel Revenues (1991 $)				
DOVER SOLE	$0	$10	$0	$110	$4
HALIBUT	$122	$0	$0	$94	$38
LING COD	$41,541	$61,202	$72,909	$46,022	$19,771
MISCELLANEOUS	$0	$0	$0	$0	$1,072
OTHER	$0	$0	$30	$51	$42
OTHER FLAT	$12	$0	$31	$33	$438
OTHER ROUND	$990	$528	$0	$0	$114

Table 90. continued

OTHER SOLE	$3,783	$11,063	$13,334	$5,182	$11,751
ROCKFISH	$482,006	$487,902	$299,065	$215,419	$240,798
SABLEFISH	$8,188	$6,091	$3,396	$2,870	$17,224
SHARK	$1,143	$3,120	$4,191	$2,023	$3,079
SKATE	$6	$37	$28	$73	$176
SWORDFISH	$0	$0	$0	$0	$36,111
THORNYHEADS	$32	$135	$304	$0	$819
TUNA	$0	$18	$0	$0	$8,782
WETFISH	$0	$43,200	$173	$0	$43
Total Revenues	$537,822	$613,305	$393,460	$271,878	$340,262

Table 91. Landings and revenues for vessels whose principle species is rockfish, principle gear is gill net, and principle port is Morro Bay, 1991-95.

SPECIES CATEGORY	Year 1991	1992	1993	1994
		Landings (MT)		
CRAB/LOBSTER	0.00	2.67	0.00	0.00
DOVER SOLE	0.00	0.00	0.00	0.00
HALIBUT	0.00	0.00	0.01	0.00
LING COD	9.37	3.00	1.68	1.72
MISCELLANEOUS	0.00	0.00	0.25	0.00
OTHER FLAT	0.01	0.00	0.00	0.00
OTHER SOLE	0.03	0.02	0.04	0.11
ROCKFISH	122.14	238.14	202.81	79.27
SABLEFISH	0.21	1.00	0.94	0.12
SHARK	0.19	0.16	1.38	0.33
SWORDFISH	0.00	0.00	9.95	0.00
TUNA	0.00	0.00	4.11	0.00
Total Landings	131.94	244.99	221.17	81.54
		Exvessel Revenues (1991 $)		
CRAB/LOBSTER	$0	$9,928	$0	$0
DOVER SOLE	$0	$1	$0	$0
HALIBUT	$0	$0	$26	$0
LING COD	$10,194	$3,051	$1,416	$1,632
MISCELLANEOUS	$0	$0	$226	$0
OTHER FLAT	$8	$0	$1	$2
OTHER SOLE	$60	$39	$88	$260
ROCKFISH	$123,382	$236,848	$201,720	$87,255
SABLEFISH	$101	$597	$599	$71
SHARK	$169	$178	$1,483	$222
SWORDFISH	$0	$0	$45,692	$0
TUNA	$0	$0	$7,948	$0
Grand Total	$133,914	$250,642	$259,199	$89,441

Table 92. Landings and revenues for vessels whose principle species is rockfish, principle gear is gill net, and principle port is Santa Barbara, 1991-95.

	Year				
SPECIES CATEGORY	1991	1992	1993	1994	1995
	Landings (MT)				
CRAB/LOBSTER	0.18	0.00	0.00	0.00	0.37
HALIBUT	0.00	0.00	0.10	0.00	0.00
LING COD	8.57	12.88	31.00	9.50	3.34
MISCELLANEOUS	4.41	1.49	0.09	0.00	0.00
OTHER	0.00	0.00	0.77	0.00	0.00
OTHER FLAT	0.01	0.20	0.12	0.00	0.05
OTHER ROUND	0.00	0.00	0.02	0.12	0.00
OTHER SOLE	0.10	0.54	0.11	0.00	0.06
ROCKFISH	281.10	275.96	141.71	106.72	102.92
SABLEFISH	2.98	2.29	0.00	0.23	0.47
SALMON	0.00	0.00	0.93	0.00	0.00
SHARK	29.20	8.89	3.65	1.43	0.25
SKATE	0.01	0.00	0.00	0.00	0.00
SWORDFISH	13.27	3.03	1.78	0.00	0.00
THORNYHEADS	0.00	0.00	0.00	0.00	0.09
TUNA	0.56	0.04	0.00	0.00	0.00
WETFISH	0.00	0.04	0.00	0.00	0.00
Total Landings	340.39	305.36	180.29	117.99	107.56
	Exvessel Revenues (1991 $)				
CRAB/LOBSTER	$18	$0	$0	$0	$74
HALIBUT	$0	$0	$512	$0	$0
LING COD	$6,290	$9,936	$22,684	$7,723	$2,713
MISCELLANEOUS	$3,104	$1,304	$100	$0	$0
OTHER	$0	$0	$3,601	$0	$0
OTHER FLAT	$8	$432	$179	$0	$103
OTHER ROUND	$0	$0	$18	$66	$0
OTHER SOLE	$167	$1,032	$229	$0	$120

Table 92. continued

ROCKFISH	$287,314	$288,477	$128,098	$99,141	$93,240
SABLEFISH	$4,234	$3,839	$0	$138	$361
SALMON	$0	$0	$4,389	$0	$0
SHARK	$33,804	$9,154	$3,074	$1,158	$353
SKATE	$8	$0	$0	$0	$0
SWORDFISH	$84,019	$19,381	$11,330	$0	$0
THORNYHEADS	$0	$0	$0	$0	$99
TUNA	$1,603	$58	$0	$0	$0
WETFISH	$0	$72	$0	$0	$0
Total Revenues	$420,569	$333,686	$174,212	$108,225	$97,063

Table 93. Landings and revenues for vessels whose principle species is rockfish, principle gear is gill net, and principle port is Los Angeles, 1991-95.

	Year				
SPECIES CATEGORY	1991	1992	1993	1994	1995
	Landings (MT)				
CRAB/LOBSTER	0.00	0.00	1.43	0.00	0.00
HALIBUT	0.00	0.00	0.00	0.12	0.00
LING COD	14.77	0.73	0.41	4.69	0.00
MISCELLANEOUS	0.00	0.23	0.14	0.11	0.00
OTHER FLAT	1.79	0.04	0.00	0.00	0.00
OTHER ROUND	0.00	0.00	0.10	3.52	0.00
OTHER SOLE	0.05	0.00	0.00	0.00	0.00
ROCKFISH	132.03	98.99	93.89	13 46	8.10
SABLEFISH	0.08	0.10	0.00	0.00	0.00
SHARK	1.01	0.25	9.76	0.17	0.00
SWORDFISH	0.00	0.00	2.25	0.00	0.00
WETFISH	0.03	5.90	0.10	3.45	0.00
WHITING	0.00	0.08	0.45	0.00	0.00
Total Landings	149.76	106.32	108.54	25.52	8.10
	Exvessel Revenues (1991 $)				
CRAB/LOBSTER	$0	$0	$6,230	$0	$0
HALIBUT	$0	$0	$0	$899	$0
LING COD	$14,267	$889	$659	$3,884	$0
MISCELLANEOUS	$0	$513	$123	$61	$0
OTHER FLAT	$3,771	$79	$7	$0	$0
OTHER ROUND	$18	$0	$227	$2,710	$0
OTHER SOLE	$106	$0	$0	$0	$0
ROCKFISH	$153,821	$106,109	$119,634	$27,148	$18,352
SABLEFISH	$84	$158	$0	$0	$0
SHARK	$2,011	$393	$15,484	$257	$0
SWORDFISH	$0	$0	$10,709	$0	$0
WETFISH	$56	$632	$191	$1,732	$0

Table 93. continued

WHITING	$0	$180	$932	$0	$0
Total Revenues	$174,133	$108,953	$154,195	$36,690	$18,352

Table 94. Landings and revenues for vessels whose principle species is rockfish, principle gear is gill net, and principle port is San Diego, 1991-95 [1].

	Year				
SPECIES CATEGORY	1991	1992	1993	1994	1995
	Landings (MT)				
CRAB/LOBSTER	0.00	0.00	0.00		0.00
HALIBUT	0.12	0.00	0.00		0.00
LING COD	0.33	0.47	0.13		0.01
MISCELLANEOUS	0.63	0.79	0.96		0.00
OTHER	0.04	0.00	0.00		0.00
OTHER FLAT	0.02	0.02	0.00		0.00
OTHER ROUND	0.01	0.27	0.00		0.00
OTHER SOLE	0.00	0.00	0.00		0.00
ROCKFISH	11.58	118.58	79.36		0.20
SABLEFISH	0.27	0.25	0.35		0.00
SHARK	23.37	6.77	6.07		0.00
SKATE	0.01	0.00	0.00		0.00
SWORDFISH	10.46	15.01	19.23		0.00
TUNA	0.36	0.88	3.89		0.00
WETFISH	0.19	0.35	0.00		0.00
Total Landings	47.38	143.38	109.99		0.21
	Exvessel Revenues (1991 $)				
CRAB/LOBSTER	$4	$0	$0		$0
HALIBUT	$600	$0	$0		$0
LING COD	$506	$590	$189		$34
MISCELLANEOUS	$747	$1,263	$1,848		$0
OTHER	$174	$0	$0		$0
OTHER FLAT	$32	$28	$0		$0
OTHER ROUND	$34	$759	$0		$0
OTHER SOLE	$0	$0	$6		$0
ROCKFISH	$19,619	$175,563	$118,736		$363

Table 94. continued

SHARK	$29,506	$10,979	$9,060	$0
SKATE	$8	$0	$0	$0
SWORDFISH	$64,994	$75,978	$95,708	$0
TUNA	$627	$1,387	$7,429	$0
WETFISH	$178	$103	$0	$0
Total Landings	$117,338	$266,867	$233,259	$398

[1] There were no vessels whose principle species is rockfish, principle gear is gill net, and principle port is San Diego in 1994.

Figure 1. California rockfish landings and exvessel revenues, 1981-95.